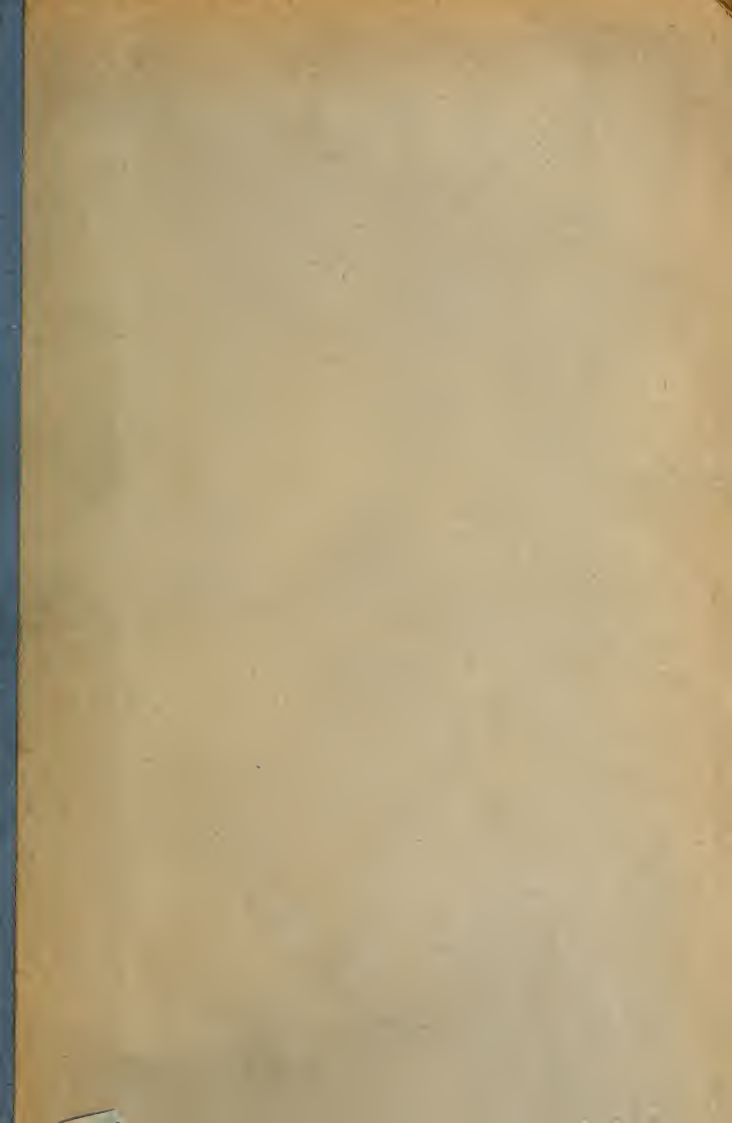






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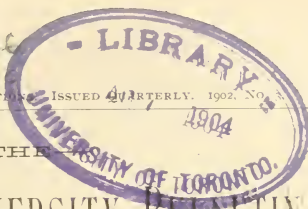
Wesleyan University

Bulletin

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WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

DECEMBER, 1902.—No. 31.

ATTENTION has already been directed in the BULLETIN to the approaching celebration of the Bi-centenary of the birth of John Wesley, and every alumnus has been informed in general terms of the character of the exercises deemed appropriate for that occasion. In the present issue of the BULLETIN appears a more detailed statement of the programme so far as arranged.

The opportunity afforded by this celebration should be welcomed by every friend of the University for setting forth more exactly and adequately than is commonly done the status of Wesleyan as an institution of higher learning. Wesleyan has kept one ideal steadily in view throughout all her history, and that is to provide a broad, thorough, humanizing education, equal to the best that the country can afford, but never to allow mere scholarship to count for more than character. This ideal she has in large measure realized even with an imperfect equipment. But nothing short of the best attainable faculty and equipment should be provided. Other institutions of our own class have made great advances in the course of the last quarter-century in subdividing departments, in providing laboratories, lecture-halls, and increased library facilities, and especially in enlarging the corps of instruction. We too must make constant advance if we are worthily to hold our own.

It is hardly necessary to say that the resources of the institution must be largely multiplied if it is to stand in the front rank. The new buildings shortly to be erected will relieve some of the most pressing needs in the matter of laboratories and lecture-rooms. But the present endowment fund, though far larger than that of fifteen years ago, has not kept pace with the growth of the institution and the reshaping of departments made necessary by the broadening of the curriculum. The endowment fund must at no distant day be doubled, as in fact it has been doubled within a comparatively few years. Falling rates of interest and increasing demands upon the annual income make a large addition to the productive funds not merely desirable but imperative. This becomes evident by a glance at the following facts: In 1887 the productive

funds were \$660,852.33; in 1897, \$1,172,533.48. At present they are \$1,443,754.30. The annual expenditure has risen to over a hundred thousand dollars, and the normal growth of the next few years will make the annual outlay increasingly larger. The now considerable yearly deficit must therefore inevitably become formidable at no distant date unless the permanent endowment is made commensurate with the demands upon the income.

In view, however, of the large gifts that have come to the college within the past year and the unusual activity of the alumni and friends of the college in helping to enlarge the number of students and the equipment, there is good ground for hope that not merely the present rank of the institution will be honorably maintained, but that larger possibilities will be realized in the near future.

With a view to securing the active coöperation of Wesleyan alumni in the Bicentenary celebration, there are to be formed a considerable number of local alumni associations in towns where at least ten or fifteen Wesleyan graduates are within easy reach of one another. These local clubs will meet once or more in the course of the year to talk over the interests of the University in their own districts. Plans are already on foot for the organization of about twenty such clubs in the course of the next few weeks.

It is hoped and expected that an unusually large number of alumni will return for the Commencement of 1903. Every class should, as far as practicable, hold a reunion. In order that the necessary arrangements may be completed, as full a list as possible of class secretaries is to be published in the next issue of the BULLETIN. The secretary of each class will facilitate matters by sending his name and address at once to the Secretary of the Faculty. In cases where there is no class secretary, the last president of the class is requested to send his own name or that of a temporary secretary.

There will be general interest in the floor-plans and the design of the new lecture-hall presented in this BULLETIN. General satisfaction, too, will be felt that the new building is to bear the name of Willbur Fisk, first President of the University.

Full details concerning the new science hall, in memory of John Bell Scott, of the Class of '81, are not yet ready for publication, but they will probably appear in the next BULLETIN.

In the BULLETIN of a year ago the opinion was ventured that the comparatively small entering class of that year could not be regarded as an indication of a permanent decline in our numbers. Various causes that need not be here specified combined to check the increase that had been regular for several preceding years. This year, however, we have an entering class of 105, one of the largest in the history of the institution.

The completion of the new covered grand stand for the Andrus Athletic Field well rounds out the athletic equipment of the college. Minor improvements may be required from time to time in the Fayerweather Gymnasium and on the athletic field, but at present the opportunity afforded at Wesleyan for a thorough and satisfactory physical development compares favorably with that to be had at any collegiate institution of the size in the country.

In May, 1902, Wesleyan became a member of the New England College Entrance Certificate Board, which was organized at Boston by the concerted action of the following institutions: Boston University, Brown University, Dartmouth College, Mount Holyoke College, Smith College, Tufts College, Wellesley College, Wesleyan University. In accordance with the rules then adopted no certificate will be accepted by this institution after January 1st, 1904, from any school in New England which has not been approved by the above-mentioned Board.

By the action of the Board of Trustees and the Academic Council the chair of Romance Languages is hereafter to be known as the Hollis Professorship of Romance Languages, and the chair of the English Language as the Waite Professorship of the English Language.

THE WESLEY BI-CENTENNIAL CELEBRATION.

The programme of exercises for the Wesley bi-centennial celebration, next June, is not yet complete, but the following definite announcements may now be made.

Sunday, June 28, morning. The Baccalaureate Sermon, by President Bradford P. Raymond, D. D., LL. D.

Sunday, June 28, evening. Addresses on the Religious and Ecclesiastical Significance of the Wesleyan Movement, by Rev. William F. McDowell, D. D., Secretary of the Board of Education of the Methodist Episcopal Church, and Rev. George Jackson, B. A., of Edinburgh.

Monday, June 29, evening. Address, "John Wesley, the Man," by Professor C. T. Winchester.

Tuesday, June 30, evening. Address, "John Wesley's Place in History," by Woodrow Wilson, LL. D., President of Princeton University.

Other speakers and other details of the programme will be announced in the BULLETIN of May next. It will be seen that the ordinary programme of Commencement week will next year be largely modified and parts of it omitted, to make room for these special exercises.

It may not be inappropriate to say that the Rev. George Jackson, who will represent the English Wesleyan body on this occasion, has been for the last dozen years one of the most prominent and useful clergymen of the city of Edinburgh. He is Superintendent of the Wesleyan Mission in that city, and his Sunday evening services in Synod Hall, and more recently in the new and imposing Wesleyan Hall, have for years attracted not only a large audience of the citizens of Edinburgh, but many visitors and strangers. Mr. Jackson combines a scholarly temper with an intense interest in all philanthropic and social measures, which has won for him the warm sympathy of many of the most eminent citizens of Edinburgh, irrespective of denominational relations, and has enabled him to be a great force for good in that city. Still a young man, it may be said that few men of his age in the denomination have a better record, or give promise of better work in the future.

The gathering of alumni next June should be larger than in any previous year in the history of the college—and probably will be. Indications are already received of a very general attendance. It is suggested that every class should plan to have a reunion of its members at some time during the week. As stated elsewhere, the BULLETIN will be glad to publish in its May number any special notices that may be received as to such reunions, and to aid in any way possible in securing a representation of every class. There should be nearly or quite a thousand alumni on the campus next June.

COMMENCEMENT NOTES.

TRUSTEE MEETING.—The annual meeting of the Board of Trustees was held in Middletown, beginning on the evening of Monday, June 23, and concluding on the following day.

Hon. George G. Reynolds, LL. D., was reelected President of the Board, Rev. E. M. Mills, Ph. D., D. D., Secretary, and John E. Andrus, Treasurer.

The Treasurer presented his annual report, which was accepted and placed on file.

The President in his report read a letter from Charles Scott and Charles Scott, Jr., offering together to give \$75,000 for a new building at Wesleyan.

A committee reported a memorial minute concerning the late Hon. George West. The resolutions were adopted by a rising vote.

The following new appointments were made: R. C. Super, to be tutor in Modern Languages for one year; Otto Dunkel, to be Instructor in Mathematics for one year; A. W. Rowe, to be assistant in Chemistry for one year. F. G. Benedict was reappointed Associate Professor of Chemistry for one year. Professor F. B. Rosa was given leave of absence for one year.

The following trustees were reelected: William Connell, George S. Bennett, Charles L. Rockwell, Rev. A. W. Hazen, William E. Sessions, their terms to

expire in 1908. Rev. Charles H. Buck was elected trustee for five years in place of Rev. D. H. Ela, whose term expires in 1903.

The President of the University was authorized to confer the following honorary degrees: The degree of Master of Arts on Wilbur Fisk Gordy, class of 1880; the degree of Doctor of Divinity on Rev. William F. Anderson, Ph. D., Rev. William Burt, class of 1879, Rev. Joel Marvin Leonard, Ph. D., and Rev. Herbert Welch, class of 1887; the degree of Doctor of Laws on Edmund Janes James, Ph. D., President of the Northwestern University.

The President was authorized to award \$7,000 in tuition scholarships to needy and worthy students.

Rev. F. M. North reported for the Visiting Committee. The report was received and placed on file.

The Trustees adopted by a unanimous rising vote the following minute prepared by a committee in appreciation of the services of John E. Andrus as Treasurer of Wesleyan University:—

“Among the greatest blessings of the past ten years, Wesleyan University reckons the fact that during that period its funds have been in the secure safe-keeping of an undoubted master in finance, to whose ability, knowledge, and vigilance, it is due that not a dollar of our endowment has been lost, and that the utmost possible yearly revenue has been obtained from the University's investments, and also that the investments themselves have increased in value by a large percentage on the total amount.

“This complete combination of gratifying results could only be achieved by exceptional financial sagacity plus a large measure of unselfish devotion to the welfare of the college. And the credit of it belongs solely to our treasurer, Mr. John E. Andrus, of the Class of 1862, who, being unwilling to entrust any of the work to another, has held his own brain constantly against the finances of the institution, carrying every item in his own mind, and even keeping the detailed record of collections with his own hand, guarding the property of the college with more scrupulous and painstaking care than he gives to his own property.

“In ability, in minute carefulness, and in fidelity, treasurership could no further go. No college in the land can surpass this record of masterly management; and Wesleyan congratulates itself on having the perfect treasurer. In his services we recognize pure love for his Alma Mater, and that loyalty to one's own life-history and relationships which is among the finest traits of noble character. We pray the influence of this example may spread through the whole wide circle of Wesleyan's alumni.

“While Wesleyan is but one of numerous large, varied and important interests of Methodism which Mr. Andrus freely serves, we are firmly convinced that no service of his eminently useful life can be of more lasting and wide-reaching value to God and to man, or more congenial to his own feelings than his benefactions of money and labor and time bestowed on our dear old college.

"For these his benefactions we, his brethren and fellow-members of the Board of Trustees, representing we are sure all the friends of Wesleyan, do offer to John E. Andrus our warm appreciation and our affectionate respect.

"And we again make the request that, if the lightening of his labors be a necessary condition of his continuing his invaluable and indispensable services as treasurer, we will employ at the University's expense all needed assistance."

ALUMNI ASSOCIATION.—The annual meeting of the Association was held on Tuesday of Commencement week. In the absence of the president and vice-presidents, W. P. Hubbard, '63, was chosen temporary president. The following officers were elected for the year 1902-1903: *President*, W. H. Sutton, '57; *Vice-Presidents*, A. B. Sanford, '72, J. F. Calef, '77, C. H. Judd, '94; *Recording Secretary*, E. B. Van Vleck, '84; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E. Loveland, '89; *Executive Committee*, D. W. Northrop, '68, E. B. Birdsey, '71, E. G. Derby, '83, M. B. Crawford, '74, W. U. Pearne, '74.

Martin A. Knapp, '68, was re-elected Alumni Trustee, A. W. Harris, '80, was elected Alumni Trustee in place of W. M. Ingraham, '46, and W. U. Pearne, '74, was elected Alumni Trustee to fill the vacancy caused by the death of W. C. Wallace, '76. C. E. Bacon was elected a member of the Alumni Library Committee for a term of three years.

R. S. Douglass, '61, C. C. Adams, '59, and C. H. Judd, '94, were appointed a committee to take such steps as lay in their power to secure the adequate care of the college cemetery and, in particular, of the monuments of past officers of the University therein interred.

It was voted that the Trustees be requested to employ landscape architects and have a comprehensive plan prepared for the future as well as the immediate development of the grounds and buildings of the university.

The Trustees found it impracticable to meet in joint session with the Alumni, but the greetings of the Board were brought by D. G. Downey and S. F. Upham, who also reported on the plans for the Wesley bi-centennial celebration of 1903 and for securing an adequate endowment.

THE FINANCES.—The following is a brief statement of the property of the College, according to the most recent appraisal, and of the income and expenditure for the financial year 1901-1902.

Property of the University.

Invested funds and productive real estate, - - -	\$1,409,882 91
College buildings and campus, - - - - -	531,700 00
Scientific collections and apparatus, - - - - -	87,600 00
Library, - - - - -	55,000 00
Unproductive real estate, - - - - -	13,304 31
Furniture in various college buildings, - - - - -	13,080 00
Cash, - - - - -	20,567 08

Total, - - - - - \$2,131,134 30

Receipts from May 31, 1901, to May 31, 1902.

Students' bills,*	-	-	-	-	-	\$37,144	72
Interest on investments and rents,	-	-	-	-	-	61,561	33
Women's Dormitory,	-	-	-	-	-	3,982	07
Commons,	-	-	-	-	-	4,110	17
Special subscription for Cryogenic Laboratory,	-	-	-	-	-	750	00
Special subscriptions for Museum,	-	-	-	-	-	872	00
Special subscriptions for deficit of 1901,	-	-	-	-	-	16,316	65
Special subscriptions for other purposes,	-	-	-	-	-	434	60
Miscellaneous,	-	-	-	-	-	801	32
Balance advanced by Treasurer, May 31, 1902,	-	-	-	-	-	17,325	52
Total,	-	-	-	-	-	\$143,298	38

Expenditures from May 31, 1901, to May 31, 1902.

Salaries,	-	-	-	-	-	\$64,300	00
Fuel, light, water, insurance,	-	-	-	-	-	5,675	23
Janitorial service,	-	-	-	-	-	4,441	10
Repairs and improvements,	-	-	-	-	-	3,970	04
Women's Dormitory,	-	-	-	-	-	5,368	10
Commons,	-	-	-	-	-	4,661	52
Department appropriations,	-	-	-	-	-	2,284	45
Library and Reading Room,	-	-	-	-	-	1,964	99
Museum,	-	-	-	-	-	961	30
Cryogenic Laboratory,	-	-	-	-	-	1,551	36
Mechanical Laboratory,	-	-	-	-	-	657	51
Gymnasium,	-	-	-	-	-	251	00
Aid to students—tuition,	-	-	-	-	-	12,161	00
Interest, annuities, and scholarships,	-	-	-	-	-	4,644	13
Printing, postage, catalogues, bulletins, etc.,	-	-	-	-	-	2,820	23
Miscellaneous, secretarial assistance, Commencement expenses, prizes, etc.,	-	-	-	-	-	5,576	13
Balance due Treasurer, May 31, 1901,	-	-	-	-	-	22,010	29
Total,	-	-	-	-	-	\$143,298	38

TRUSTEE MEETING.

An adjourned meeting of the Board of Trustees was held in New York, Oct. 14, 1902.

It was voted to name the new recitation building the Willbur Fisk Hall.

The resignation of John E. Andrus as Treasurer was accepted, and the President and Secretary of the Board were instructed to inform Mr. Andrus that his resignation had been accepted with regret and to assure him of the respect and gratitude of the Board.

Rev. Charles H. Buck was elected Trustee in place of Bowles Colgate, deceased, his term to expire in 1904. Dr. Buck was then elected Treasurer of the Board.

* Inclusive of \$12,161 tuition remitted.

APPOINTMENTS TO THE FACULTY.

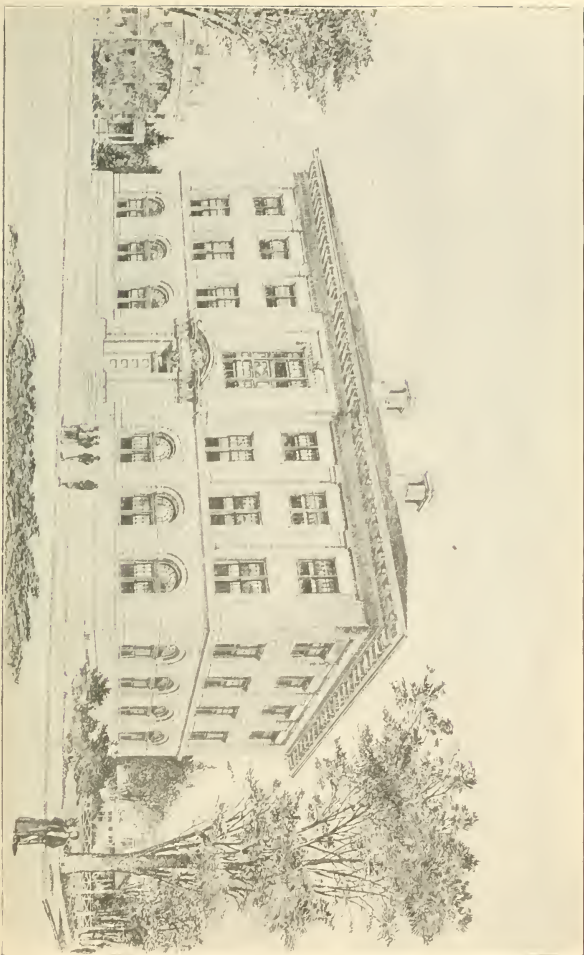
FREDERICK W. MARVEL, elected Director of the Gymnasium and a member of the Faculty, received the degree of Ph. B. from Brown University in 1894. During the two following years he was Instructor in Mechanical Drawing and Physical Culture at Brown, and from 1896-1901 Director of the Gymnasium at Wesleyan. Last year he was Director of the Gymnasium of the Friends' School in Providence, R. I.

WALTER GUYTON CADY, elected Instructor in Physics, received from Brown University the degree of Ph. B. in 1895, and of A. M. in 1896. He remained at Brown for two years after his graduation as Instructor in Mathematics, at the same time continuing his work in Physics. From 1897 to 1900 he was a student at the University of Berlin, from which he received the degree of Ph. D. in 1900. His thesis, "Ueber die Energie der Kathodenstrahlen," was published in the *Annalen der Physik*, and the *American Journal of Science*. While at Brown he also published a paper, "On the Volume Measurement of an Air Thermometer Bulb," in the *American Journal of Science*. In the summer of 1900, he entered the Magnetic Division of the United States Coast and Geodetic Survey, and after a few months of field work, was appointed to install the instruments at the new Magnetic Observatory at Cheltenham, Md., where he remained in charge of the Observatory until May, 1902.

RALPH CLEWELL SUPER, elected Tutor in Modern Languages, was graduated from Ohio University in 1895, with the degree of B. A. The two years succeeding his graduation were spent in study at the Universities of Jena, Leipzig, and Lausanne. In 1899 he received the degree of M. A. from Ohio University and returning to France, continued his studies at the University of Grenoble, where in 1901 he was given the Certificat d'Etudes françaises. The summer was spent in the study of Spanish at Madrid, and the following college year as Instructor in the Department of Romance Languages of the University of Cincinnati.

OTTO DUNKEL, elected Instructor in Mathematics, was a student in the University of Virginia for five years, receiving the degree of Mechanical Engineer in 1896, and B. A. and M. A. in 1898. During the year 1896-7 he was Fellow in Astronomy. In 1898 he entered the Graduate School of Harvard University as a student of Mathematics, and was admitted to the degree of M. A. in 1899, and of Ph. D. in 1902. His thesis, entitled "Regular Singular Points of a System of Homogeneous Linear Differential Equations of the First Order," is published in the *Proceedings of the American Academy of Arts and Sciences* for October, 1902. Dr. Dunkel has also published a note "On Some Applications of Green's Theorem in One Dimension," in the *Bulletin of the American Mathematical Society* for April, 1902.

HARRY TORSEY BAKER, elected Assistant in English, was graduated from Wesleyan University with the degree of B. A. in 1900. During the two following years he was Assistant in English and also a graduate student at Wesleyan, receiving the degree of M. A. in 1902. Mr. Baker has published a paper on "Maurice Hewlett" in the *Methodist Review* for July-August, 1902.

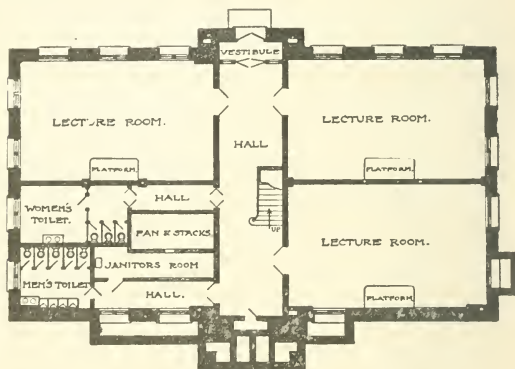


WILLBUR FISK HALL,

THE NEW BUILDINGS.

The new lecture-hall, a view of which, from the architects' drawings, is given on another page, will be a most important addition to the group of college buildings. It will occupy a commanding position on the northeast corner of High and College Streets. The college has secured the entire property from the corner of College Street to the line of the Delta Kappa Epsilon lot, a frontage of about 200 feet on High Street, and about 250 feet on College Street. The building will thus stand in grounds appropriate to its size and dignity. It will be built, like all the older college buildings, of Portland brownstone. It is to be 113 feet in length by 62 feet in depth—the longer frontage of course being on High Street—and is to be three stories in height above the basement.

The arrangement of rooms on the several floors will be seen from the plans given herewith.

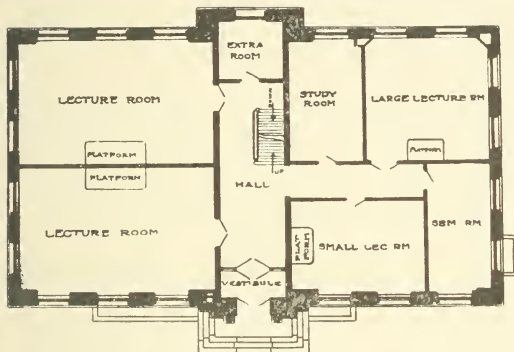


BASEMENT PLAN.

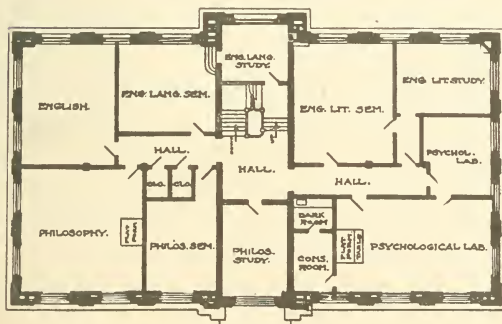
The basement story contains, beside the apparatus for ventilation, the waiting and toilet-rooms, a large class-room at the northeast corner, and two large lecture-rooms on the south side, which can be thrown together into a hall capable of accommodating some 400, that can be used for large lecture classes, the meetings of societies, etc. These lecture-rooms are about fourteen feet high, are admirably lighted, and are accessible by a rear entrance, approached from College Street, as well as by a stairway from the main entrance hall on the first floor.

The first story contains two lecture-rooms for the largest classes, and two somewhat smaller lecture-rooms, with studies and seminary rooms for the Departments of History and Economics. The front, or west, half of the second

floor is allotted to the Department of Philosophy, containing a large lecture-room, seminary, studies, and two psychological laboratories—a larger and a smaller, or private, one. The rear half of this floor is occupied by the studies,



FIRST FLOOR PLAN.

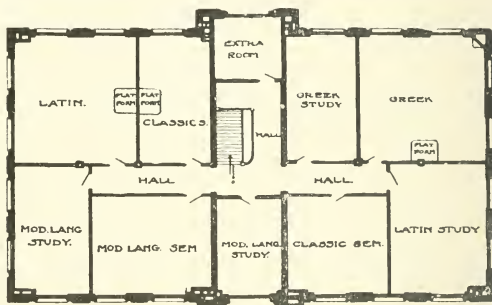


SECOND FLOOR PLAN.

seminaries, and lecture-room of the Departments of English Literature and of English Language. The third floor is designed for the use of the Departments of Latin, Greek, French and German, with convenient lecture-rooms, seminars and studies.

The building has been planned with reference to modern methods of instruction, and especial attention has been paid to matters of heating and ventilation. It is believed that in dignity of external appearance, in the completeness of its appointments, and its adaptation to the uses for which it is designed, it will be a model college building. By the vote of the Trustees, at a recent meeting, it is to bear the honored name of the first president of Wesleyan University; it will be called the Willbur Fisk Hall.

The architects of the building are Cady, Berg & See, of New York. The contract for construction has been awarded to William Mylchreest, of Middletown. It is hardly possible that the building can be completed before next Commencement; but it is hoped that it may be ready for occupancy at the opening of the next college year.



THIRD FLOOR PLAN.

The proposed new Physical Laboratory, which is to be erected by the munificence of Mr. Charles Scott and Mr. Charles Scott, Jr., of Philadelphia, is to be located on the south side of Cross Street, at the corner of College Place. It will have a frontage on Cross Street of 100 feet, a depth, for the main building, of 45 feet, with an extension of about 28x45 feet in the rear. The lecture-room is to be located in this extension, on the second floor, and lighted in part from overhead. The building will have a well lighted basement and three stories, except in the extension, where there will be but two floors above the basement. The basement and first floor will be devoted chiefly to rooms adapted for advanced laboratory work, the main lecture-room, apparatus room and library will be on the second floor, and the elementary laboratory and a smaller lecture-room on the third floor. The building is to be of brick trimmed with stone. The architect is Mr. Charles A. Rich, of New York.

THE LIBRARY.

From May 1st to November 1st the sum of \$34.00 has been received on account of subscriptions to the Alumni Library Fund. Unpaid subscriptions now amount to less than \$700. By the sale of some real estate the principal of the fund has been further increased \$333.33. The Alumni Library Fund amounts now to \$34,965.03. The Hunt Library Fund amounts at present to \$27,500. In addition there is the Wilcox bequest of \$20,000, the income of which will be available in about a year.

The following facts concerning the increase in the number of volumes, the circulation of books, and the progress made in the work of classification may be of interest. The number of volumes added to the Library from June 1, 1901, to May 31, 1902, was 1,814. They were obtained as follows: By purchase, 929; by binding periodicals and pamphlets, 291; by exchange 2; by gift, 740. Deducting 148 volumes, exchanged or lost, there remains a net addition of 1,814 volumes. The total number of volumes in the Library at the present time is 63,000.

From June 1, 1901, to May 31, 1902, 6,741 books and periodicals were drawn from the Library for home use. In addition 1,126 volumes were withdrawn from circulation and reserved either in the Library or in seminary rooms.

The reclassification work of the past summer covered history, geography and travel (except American), and political and social science, about 6,500 volumes, in all. The total number of volumes classified is 38,000.

THE MUSEUM.

In a sojourn of a few weeks at North Woodstock, N. H., during the summer vacation, Professor Conn made a collection of about three hundred specimens of Fungi, representing nearly a hundred species. This collection of well studied specimens fills a gap in the Museum, as the Fungi were previously represented only by a few specimens mostly unidentified. Mrs. Van Benschoten has given to the Museum a considerable number of minerals, fossils, and Indian relics.

During the last spring a thorough re-arrangement of the collection of birds was made by the Curator. The arrangement of the cephalopods and gastropods has been completed, and the re-arrangement of the large collection of molluscan shells is in progress.

THE CRYOGENIC LABORATORY.

The first successful run of the liquid air plant was made on the morning of July 29th. Though the liquefier was not then in its final form, the results were quite satisfactory. On the following forenoon, the course of lectures

given by Prof. Bradley in connection with the summer school was fittingly concluded by a demonstration of liquid air, some two or three quarts of this product having been made for the purpose.

During the month of September the work of final installation was brought to completion and early in the present term liquid air was used experimentally before certain of the regular classes in chemistry and physics. The new laboratory thus becomes a permanent part of the working equipment of the University.

THE SUMMER SCHOOL.

The Summer School of Chemistry and Biology, whose first session was held at Wesleyan University in July, marked a distinct step in educational work. It was mainly in the interest of the new but rapidly growing pedagogic movement, designated as domestic science, home economics or home science. In view of the investigations on the food and nutrition of man, carried on by authority of the United States Government throughout the country under the supervision of Professor Atwater, and of the important part of this work done under his immediate direction in the chemical laboratory at Wesleyan; and of the researches bearing upon food preparation and preservation, and upon general household hygiene conducted in the bacteriological laboratory of Professor Conn, it was not unnatural that a number of the leaders in the home-science movement requested that the exceptional facilities at Wesleyan should be made available to them and that its Board of Trustees gave their consent.

No public announcement was made of the school, and circulars were sent to only a limited number, but the attendance considerably exceeded expectation. Thirty-seven were present from various parts of the country, and even from England and Japan. The faculties of five state universities, one medical school, and a number of colleges and technical schools were represented.

Lecture courses were offered in bacteriology, the chemistry of food and nutrition, food analysis, sanitary chemistry, including water and ventilation, and the liquefaction of gases. The lectures were given by Professors Atwater, Conn, and Bradley of Wesleyan, Mrs. E. H. Richards of the Massachusetts Institute of Technology, Dr. H. C. Sherman of Columbia University, and Dr. C. F. Langworthy of the Department of Agriculture. The chemical and bacteriological laboratories were also open for practical work. Professor Bradley and Drs. Sherman and Murrill were in charge of the chemical laboratory and Professor Conn and Mr. Esten of the bacteriological laboratory.

In connection with one of the boarding clubs a five-day dietary study was made, the results of which will probably be published by the government. One of the most interesting and helpful features of the Summer School was the hour given each day to a general conference in which special topics were discussed.

RECENT GIFTS.

Since the publication of the June BULLETIN, about two thousand dollars more has been received from the estate of the late William H. Hollis of the Class of 1854, making the total gift from that estate \$37,621.74.

Members of the Middletown Methodist Episcopal Church have given \$375 additional as part of the Twentieth Century offering.

Four thousand dollars has been received on account of subscriptions toward current expenses.

One thousand dollars has been given by W. L. Billings for a tuition scholarship.

THE GRAND STAND.

The Grand Stand, which has so long been desired by the undergraduates as a necessary part of the equipment of the Andrus Athletic Field, was erected during the summer. It occupies the southwest corner of the field, about 100 feet behind the home plate, and is therefore especially adapted for the spectators at baseball games, though the experience of this fall indicates that it will be of considerable value at football and track contests. The stand is 75 feet long and 35 feet deep. There are four aisles and the seats are arranged in three sections with nine rows in a section. It will furnish ample accommodation for about 350 spectators, and additional seats can be provided if occasion should arise. Under the rear of the stand is a room 75 feet long and 15 feet deep which is to be fitted up as a dressing-room for visiting teams, for whom the gymnasium does not afford convenient accommodation. The architects were Messrs. Van Vleck & Goldsmith, of New York; and the contractor, Mr. C. O. Stone, of Middletown. The entire cost of the stand has been \$3,371.35, of which amount \$2,000 was given by Mr. John E. Andrus, \$500 by the Wesleyan Glee Club of 1901-02, \$146.86 was interest, and the balance was contributed by other friends whose names are withheld at their request. The cast-iron columns are the gift of Hon. William E. Sessions.

RECENT COLLEGE APPOINTMENTS.

CLASS.

- 1884. Albert Raddin Sweetser, Professor of Biology, University of Oregon.
- 1887. Joseph Chapin Rockwell, Professor of Greek and Latin, Buchtel College.
- 1888. Harry Keiser Munroe, Lecturer in English, St. Lawrence University.
- 1890. Frank Burnett Dains, Associate Professor of Chemistry, Washburn College.
- 1891. Harry Monmouth Smith, Professor of Chemistry, Syracuse University.

1892. Harvey Carson Grumbine, Professor of the English Language and Literature, University of Wooster.
1893. George Hubbard Blakeslee, Parker Fellow, Harvard University.
1893. Frederick Curry Ostrander, Fellow in Romance Languages, Columbia University.
1893. Ashley Horace Thorndike, Professor of English Literature, Northwestern University.
1894. Charles Hubbard Judd, Instructor in Psychology, Yale University.
1895. Colbert Searles, Assistant Professor of Romance Languages, Leland Stanford, Jr., University.
1896. Albert Francis Blakeslee, Austin Teaching Fellow in Botany, Harvard University.
1902. William Harry Clemons, Assistant in the Library, Wesleyan University.
1902. Everett Lynn Thorndike, Scholar in European History, Columbia University.
1902. Clarence Albert Pierce, Assistant in Physics, Wesleyan University.

Frank Cummins Lockwood, M. A., 1902, has been appointed Professor of English in Allegheny College.

CALENDAR.

- 1902.
- Sept. 25. Thursday, 9:00 A. M.,—College year began.
- Nov. 25. Tuesday, 5:00 P. M.,—Thanksgiving recess began.
- Nov. 30. Sunday, 8:50 A. M.,—First chapel exercise after the close of the Thanksgiving recess.
- Dec. 19. Friday, 5 P. M.,—Christmas recess will begin.
- 1903.
- Jan. 6. Tuesday, 8:00 A. M.,—Christmas recess will end.
- Jan. 29. Thursday,—Day of Prayer for Colleges.
- Feb. 2. Monday,—Feb. 14, Saturday,—Mid-year examinations.
- Feb. 23. Monday,—Washington's Birthday.—a holiday.
- April 7. Tuesday, 5:00 P. M.,—Spring recess will begin.
- April 16. Thursday, 8:00 A. M.,—Spring recess will end.
- April 30. Thursday,—Junior Exhibition.
- May 30. Saturday,—Memorial Day.—a holiday.
- July 1. Wednesday,—COMMENCEMENT.

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WESLEYAN UNIVERSITY BULLETIN
MIDDLETOWN, CONNECTICUT

JUNE, 1903.—No. 32.

EVERY ALUMNUS has been informed in general terms with regard to the celebration at the approaching Commencement of the Bi-Centenary of the birth of John Wesley. In this issue of the BULLETIN the complete programme is presented as a part of the calendar; it will be found to differ in some respects from that already sent to the alumni. It is surely unnecessary to remark that the occasion is likely to be one of unprecedented interest from the presence of many distinguished speakers and invited guests, and of alumni who will take advantage of this opportunity of revisiting their Alma Mater. Every effort is making to provide adequate entertainment for all that may come. But, as is remarked in the announcement of the Committee, a reasonable foresight in giving notice of the nature and extent of the accommodations required will enable the preparations to be made more satisfactory than will otherwise be possible.

For some years it has been a matter of earnest solicitude to those most intimately related to the administration of the University lest the annual income should fall seriously behind the annual expenditure. It is indeed true that the productive endowment is larger by several hundred thousand dollars than it was ten years ago, and that the finances of the University have been managed with a skill and prudence worthy of all praise. But the necessary enlargement of old departments and the founding of new departments demanded by new conditions have increased the yearly expenses to a point where the present endowment is no longer adequate. If rates of interest on trust funds were now equal to what they were a score of years ago, there would be no embarrassment. But as matters stand at present the annual deficit is so large as to be a serious menace to the prosperity of the institution. The fact must be stated plainly, for it is evident that many friends of Wesleyan, with abundant means, have no adequate conception of what the real needs of the institution are.

In order to bring up the endowment to the level of present requirements and to carry on work already begun, a plan has been formulated to add a million of dollars to the permanent endowment. The matter will be brought in more detail to the attention of the alumni at a future time. The Bi-Centennial Committee, with the authorization of the Board of Trustees, have appointed Rev. I. L. Wood, of Mt. Vernon, N. Y., Financial Secretary, with the aim of bringing before the friends of the University important facts relating to the movement for enlarging the endowment. It is gratifying to be able to report that for some months the more energetic alumni have been interesting themselves in the matter of increasing the permanent funds of the University, and a report of the progress made is to be expected at the coming Commencement.

During the past few months the Secretary of the Faculty has been engaged in preparing a record of the non-graduates of Wesleyan, to be published regularly hereafter as a supplement to the Alumni Record. Many difficulties attend the compilation of such a record, owing in part to the very brief stay of some students at college, and in particular, to the fact that the record has not been kept up since 1882.

Interesting details are presented in this BULLETIN concerning the Scott Physical Laboratory. Considerable progress has been already made in the construction, and the building will probably be ready for occupancy in the course of the next collegiate year.

Of Willbur Fisk Hall the walls of the first two stories are nearly completed, and unless some unforeseen hindrance arises the entire structure will be finished in the course of the first term of next year.

The erection of a new chapter-house by the X. Ψ. Fraternity on a site overlooking the front Campus will add one more structure to the quadrangle of buildings devoted wholly or in part to collegiate purposes. Although the fraternities have no official relation to the college, they are generally recognized as an important element in college life at Wesleyan, and their suitable housing is a matter of interest to students and to alumni.

We note with regret that Associate Professor Faust has resigned his position in the Department of German at Wesleyan to accept the Directorship of the Department of Modern Languages in the Nautical Preparatory School.

The list of Class Secretaries, and the usual reports on Recent Gifts, the Library, and the Museum, are omitted from this issue on account of lack of space, but will appear in the November number.

BI-CENTENNIAL NOTES.

The additional exercises connected with the Bi-Centennial celebration have necessitated several changes in the usual Commencement programme. The final examinations will close on Thursday, June 23, instead of Friday. The Prize Declamation contest between speakers from the three lower classes will be held on Thursday evening, the Senior competition for the Rich Prize in Oratory will take place on Friday evening, as there are to be no student speakers at the Commencement exercises, and the Glee Club will give the annual concert on Saturday evening.

By the recent vote of the Board of Trustees, the name of Wesleyan has been added to the rapidly increasing list of colleges where on academic occasions the members of the Faculty appear in the gowns and hoods appropriate to their respective degrees. As it is probable that academic costume will also be worn by most of the representatives of other institutions and the recipients of honorary degrees, the Commencement exercises should gain much in dignity and impressiveness. In view of the large number entitled to participate, the procession on Wednesday morning will form on the College Campus, and march to the Middlesex Opera House, where the Commencement exercises will be held. Addresses will be delivered by Bishop Brewster, Bishop Andrews, and President Tucker of Dartmouth College, and the degrees, both in course and honorary, be conferred.

All those interested in the Bi-Centennial celebration will be glad to learn that Mr. Richard Watson Gilder, editor of the Century Magazine, has written a poem for the occasion, which he will read on Monday evening after the address of Professor Winchester. At the close of the exercises the Campus will be illuminated. This "Campus Rally" is largely in charge of a committee of undergraduates, and their plans provide for an open-air concert by the Hatch Military Band, to be followed by a "college sing" and a "walk around." It is expected that the alumni will heartily coöperate with the undergraduates in their endeavor to make this somewhat informal celebration one of the pleasantest reunions of the week. It will form a most appropriate prelude to the gatherings of Tuesday, which is distinctively "Alumni Day." In the morning the business meeting of the Alumni Association will be held, followed by informal Campus reunions of the classes, which will take the place of the usual class dinners. At 2 P. M. the Alumni luncheon will be held in the Gymnasium. The large number likely to attend has necessitated several changes in the usual arrangements. Tables will be laid in the main hall for the invited guests and older classes, and in the basement for the younger alumni. Opportunity will be given for all to gather up-stairs to listen to the after dinner speeches. The Toastmaster will be Stephen H. Olin of the Class of 1866, and among those who are expected to respond to toasts are President Eliot of Harvard University, Hon. Carroll D. Wright, Bishop Hendrix, of the Methodist Episcopal Church South, Hon. G. G. Reynolds, '41, President of the Board of Trustees, Rev. James M.

Buckley, and William D. Leonard, '78. Even with the increased accommodations the number of seats is necessarily limited, and as it is very important that the Committee know how many are likely to attend, it is hoped that the alumni will respond promptly to the circular letter of the Committee on Entertainment. Those who do not apply beforehand, cannot be guaranteed places at the luncheon.

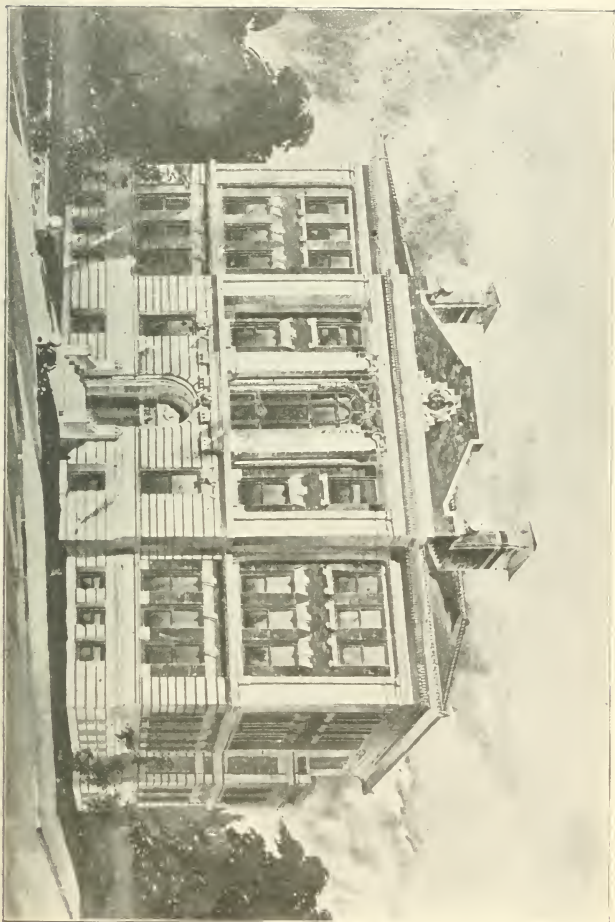
On Tuesday evening the address by President Woodrow Wilson of Princeton University will afford an opportunity of paying honor to one whose hearty welcome is due not only to his official position and high reputation as a man of letters, but even more to the esteem and affection which he won alike from his colleagues and his students during his brief tenure of the chair of History and Political Science at Wesleyan. The college counts itself fortunate that in spite of his many engagements he has accepted the invitation to deliver one of the chief addresses of the celebration.

Alumni on their arrival in Middletown are requested to register at their earliest convenience at the Library, where the Committee will establish a Bureau of Information.

The Commencement Luncheon will be open this year to alumni and to officially invited guests only, each alumnus being entitled to one ticket. The accommodations are limited and tickets will be assigned in order of application. Order a ticket *now* and it will be reserved until 9 A. M., Tuesday, June 30. After that hour it will be subject to reassignment. Tickets must be called for in person at the Library. The Committee on Entertainment has sent to the alumni a letter accompanied by a private mailing card to be filled out and returned. These cards will be filed as received and used as a directory.

THE JOHN BELL SCOTT MEMORIAL.

The Scott Physical Laboratory, now in process of erection, on the corner of Cross Street and College Place, nearly opposite Judd Hall, will consist of a main building, as shown in the accompanying cut, and an extension in the rear. The main building will be 102 by 51 feet, outside measurements, containing basement and three stories. The extension will be 50 by 30 feet, with basement and two stories. The basement and first story will be given up chiefly to the more advanced laboratory work. Four good sized rooms and one very large one will be used on these floors for the department of electricity, besides the storage battery room. No attempt has been made to keep any part of the building absolutely free from iron, although care has been taken in one corner of the basement, by the use of brass heating apparatus, etc., to avoid iron which shall be subject to great changes of temperature. It is hoped that thus a fairly constant magnetic field may be secured. In the room devoted to electrical engineering, only comparatively small machines will be used, the college lighting plant, as also the college machine shop, remaining as at present in the boiler-house.



THE JOHN BELL SCOTT MEMORIAL.

The first floor, besides two of the rooms above referred to which are reserved for electricity, will include an office, balance room, chemical room and six rooms devoted to work in optics, heat and mechanics. The second story will contain the large lecture room, with about 150 seats, the adjoining apparatus room, two small private laboratories, an office, a library, and, opening from this, a room for drafting and for computations. The third floor will be chiefly given to the more elementary laboratory work, containing in addition a small lecture room, and a well-lighted room with adjoining dark rooms for photographic purposes. The basement is to be of granite, the remainder of the building of Harvard brick and Indiana limestone. It will cost over \$100,000. The architect is Charles A. Rich, of New York City, who has designed most of the fine group of buildings which have been erected in recent years at Dartmouth. The building is given by Charles Scott and Charles Scott, Jr., of Philadelphia, the former for many years a trustee of Wesleyan, the latter a graduate of Wesleyan in the class of 1886. It is given in memory of John Bell Scott, class of 1881, who died from illness contracted while serving as chaplain in the United States Navy during the Spanish-American War.

TRUSTEE MEETING.

An adjourned meeting of the Board of Trustees was held in New York on May 1, 1903.

The following persons were reappointed for one year:

Francis G. Benedict, Ph. D., to be Associate Professor of Chemistry.

George M. Dutcher, B. A., to be Associate Professor of History.

Ralph C. Super, M. A., to be Tutor in Modern Languages.

Otto Dunkel, Ph. D., to be Instructor in Mathematics.

Harry T. Baker, M. A., to be Assistant in English.

William M. Esten, M. S., to be Assistant in Biology.

Miss Days E. Diefendorf, Ph. B., to be Assistant Librarian.

Allan W. Rowe, B. S., to be Assistant in Chemistry.

William H. Clemons, B. A., to be Assistant in the Library.

Clarence A. Pierce, B. S., to be Assistant in Physics.

Miss Anna A. Fisher, M. A., was reappointed Dean of Women for one year.

The following new appointments were made:

James M. Paton, Ph. D., to be Associate Professor of Greek, with unlimited tenure.

George D. Chase, Ph. D., to be Associate Professor of Latin, with unlimited tenure.

Robert H. Fife, Ph. D., to be Associate Professor of German for two years.

Professor Atwater was appointed a member of the Board of Control of the Connecticut Agricultural Experiment Station, and was given leave of absence for the months of October and November, 1903.

Professor Mead was granted leave of absence during the last half of the college year, 1903-04.

The following resolution was passed: "That it is desirable and expected that the Faculty wear academic costume on academic occasions, beginning with the Commencement season of 1903." Voted, also, that candidates for honorary degrees next Commencement be notified that they will be expected to wear gowns at the Commencement exercises.

A committee of three was appointed to consider the question of re-writing the charter and by-laws. The committee consisted of H. C. M. Ingraham, George S. Coleman and D. G. Downey.

A committee of five was appointed to consider the advisability of publishing a memorial volume of the Bi-Centennial exercises, to report at the next meeting.

The recommendation of the Bi-Centennial committee that the alumni luncheon of Commencement week be free to all alumni, was approved.

It was voted that honorary degrees this year be conferred in English.

An expenditure, not to exceed \$10,000, was authorized for the purpose of equipping the Scott Memorial Building, the expenditure of said sum to be in the hands of the building committee.

Rev. J. M. Buckley and Rev. C. H. Buck were appointed to prepare a minute concerning the late William Hoyt, and report at the annual meeting of the Board.

Rev. F. M. North presented a minute on the late Bowles Colgate, which was unanimously adopted and ordered spread upon the minutes, by a rising vote.

DEPARTMENT NOTES.

GREEK.—As there is to be no increase in the teaching force during the coming year, the work of the department will be rearranged so as to provide new elective courses for Juniors and Seniors. Course I. will remain substantially unchanged. In Course II. Thucydides, Books VI. and VII. will be read during the first half-year, and the Persians and Prometheus Bound of Aeschylus during the second. Course III. will take up New Testament Greek. In addition to the lectures and recitations, a considerable amount of collateral reading will be required in the Greek Testament and in other books. The Course will be open to those who take or have taken Course II. In the reading course for Juniors and Seniors (three hours a week), the first half-year will be given to a study of the Gorgias of Plato, and the second to a comedy of Aristophanes and selections from the Lyric Poets. During the first half-year there will be offered a course upon the Acropolis of Athens and its Monuments. This will necessarily involve a study of the elements of Greek architecture, and of the history of Athenian sculpture until the end of the fifth century, B. C. The work will include lectures, collateral reading, and reports on special topics. A new course in Homer will be offered during the second half-year. A part of

the *Iliad* will be read and studied from the point of view of the language of the Homeric poems. Some account will be given of the ancient recensions of the poem. The linguistic basis for the present views on the Homeric question will also be discussed. The two latter courses will be elective for those who take or have taken the Junior reading course. The first half of Course II. and the course in Homer will be given by Associate Professor Chase; the other courses by Associate Professor Paton.

ROMANCE LANGUAGES.—I. Course II. in French will be given three hours a week instead of two as heretofore.

2. A new course will be given next year of two hours a week, to take the place of Course III., which will be dropped. It will consist of advanced work in grammar, composition, and practice in conversation, and will be elective for those who have taken Course I.

3. Hereafter Course IV. in French will be open only to those who, having had Courses I., II. and III., obtain special permission of the instructor.

4. An advanced Course in Spanish, chief emphasis being laid on the *Don Quixote* of Cervantes, will be given in place of I. Spanish, which will be omitted next year.

5. A new course will be given, to be known as Dante in English. The *New Life* and the *Divine Comedy* of Dante will be carefully studied in English translations by the class, while the instructor will endeavor to interpret the works of Dante in the light of the history, theology, philosophy and literature of the Middle Ages. Frequent comparisons will be made with the works of the other great world poets. This course will be elective for Juniors and Seniors.

ENGLISH LITERATURE.—The subject of the Senior Course (IV.), for next year will be New England Literature, 1835-1885—Emerson, Longfellow, Lowell, Whittier, Hawthorne, Holmes.

HISTORY.—The Historical Seminary, Course VI., will study the American Revolution next year.

PHILOSOPHY.—I. In 1903-'04, Course V., Introduction to Philosophy, will be transferred to the second half-year and enlarged to two hours per week. It will further be opened for election to all Juniors and Seniors without restrictions.

Course XI., Readings in Modern Philosophy will be enlarged to three hours per week, first half-year, and Course XII., Metaphysics, will be reduced to two hours per week, second half-year.

2. A list of lectures delivered before the department in 1902-'03, will be found on page 14 of this BULLETIN. The plan of inviting specialists to speak on subjects connected with their own investigations was adopted in order to provide opportunity for meeting prominent psychological and philosophical thinkers from elsewhere and for becoming directly acquainted with the latest results of their researches. The lectures have been thrown open to the Faculty, Graduate Students and the members of the Junior and Senior classes. The response on the part of those invited to attend has been gratifying, and it is the purpose of the officers of the department to arrange for a similar course in 1903-'04.

PHYSICS.—Dr. Cady will offer a new graduate course next year, meeting once a week. The subject will be Errors of Observation and the Method of Least Squares, as applied in the Solution of Physical Problems.

CHEMISTRY.—Among the recent gifts by the Carnegie Institution in aid of research is one of \$5,000 to Prof. Atwater for inquiries with the respiration calorimeter at Wesleyan during the current year. The Atwater-Rosa calorimeter has been so developed as to make it possible to measure nearly all the factors of the income and outgo of matter and energy in the human body, but means for the determination of the amount of oxygen actually used by the body have been lacking. To promote this latter object was the special purpose of the grant by the Carnegie Institution. The effort is proving unexpectedly successful. Not only has the apparatus been so modified as to make the measurement of the oxygen possible but very satisfactory experiments with a man have already been instituted. That the Carnegie Institution should be ready to promote such forms of higher research is very encouraging and it is especially gratifying to the friends of Wesleyan University to know that the Institution has been so generous in aiding such work in our laboratories.

A set of specimens illustrative of the manufacture of cocoa and chocolate has been recently presented to the Chemical Laboratory from Huyler's, New York.

In the Cryogenic Laboratory the investigation of the so-called critical phenomena of carbonic acid gas has been continued. It is expected that this inquiry, which is being prosecuted in part under a grant from the Elizabeth Thompson Science Fund, will be completed soon after Commencement. The liquid air plant has recently been subjected to a thorough series of efficiency tests. Under varying conditions, the yield of liquid air, the amount of compressed air delivered by the compressor, and the indicated horse-power of the motor have been determined. The results are very satisfactory and will soon be put in print. The laboratory has received a gift of \$100 from William E. Sessions of Bristol.

GEOLOGY.—A number of relief maps have recently been purchased for the use of the Geological Department, from Edwin E. Howell of Washington. One of them, exhibiting the region of the Grand Cañon of the Colorado, has been placed in the northwest alcove of the lower hall of the Museum. It is about six feet square; and the large scale of the map and the extraordinary character of the topography of the region have rendered it possible to construct an impressive map without any vertical exaggeration. Three other relief maps have been placed in the recitation-room, for more convenient use in the classes in Geology and Physical Geography. One of these is a map of North America. The second is a map of the United States, with geological coloring, exhibiting also the spherical curvature of that portion of the earth's surface. The third is a map of Connecticut, with a surface of blackboard slating, which will permit geological details or other features to be put on with chalk or colored crayons as from time to time they may be wanted.

BIOLOGY.—Course IX., Bacteriology, which has been omitted this year, will be given next year. The character of the course will be somewhat changed. More attention will be given to the principal aspects of modern Bacteriology in its relation to sanitation and public health and many important affairs of daily life. It is intended that the course shall give a knowledge of the practical relations of modern Bacteriology to every day questions.

FACULTY LECTURES AND PUBLICATIONS.

PROFESSOR RICE.—*Lectures*.—The Poet of Science. Boston Methodist Preachers' Meeting, Sept. 22, 1902. Mid-year Assembly of the New York East Conference, Mamaroneck, New York, Oct. 27, 1902.

How to Study. Address at the celebration of Founder's Day, Jacob Tome Institute, Port Deposit, Maryland, October 1, 1902.

Alcohol in the Light of Recent Scientific Research. Second Annual Conference of the Federation of Churches and Christian Organizations of New York City, Jan. 28, 1903. Published in *Federation*, March, 1903.

The Return to Faith. Drew Theological Seminary, Feb. 5, 1903.

The Epoch of Evolution. State Normal School, North Adams, Mass., April 14, 1903.

Publication.—The Wesley Bi-Centennial. *North American Review*, June, 1903.

PROFESSOR ATWATER.—*Lectures*.—The Respiration Calorimeter. Summer School of Agriculture, Columbus, Ohio, July 25, 1902.

The Bomb Calorimeter. Summer School of Agriculture, Columbus, Ohio, July 26, 1902.

Dietaries of State Institutions. Third New York State Conference of Charities and Correction, Albany, N. Y., Nov. 20, 1902.

The Sources of Muscular Energy in the Animal Body. A paper presented at the meeting of the American Physiological Society, Washington, D. C., Dec. 1902.

The Respiration Calorimeter and the Laws of Nutrition. Brown University, Providence, R. I., Jan. 21, 1903.

Food and Home Economics. Rhode Island Women's Club, Providence, R. I., Jan. 21, 1903.

Publications.—Temperance Reform. (Two articles.) *The Outlook*, Nov. 22 and 29, 1902.

On the Digestibility and Availability of Food Materials. *Fourteenth Annual Report of the Storrs Agricultural Experiment Station*, 1901, 67 pages.

Dietary Studies in New York City in 1896 and 1897 [with A. P. Bryant]. *Bulletin No. 116 of the Office of Experiment Stations, U. S. Department of Agriculture*, 83 pages.

PROFESSOR WINCHESTER.—*Lectures*.—Four lectures, Wells College, Nov. 22-25, 1902.

Literature as a Means of Christian Culture. Lecture before the Wesleyan Guild of Michigan University, Feb. 8, 1903.

Six lectures on the Literature of the Period of Queen Anne, in Ohio Wesleyan University, Feb. 11-16, 1903.

Lecture before the Teachers' Association of Cleveland, Ohio, Feb. 13, 1903.

Two lectures in Pittsburgh, Pa., March 19, 20, 1903.

Lecture in Wofford College, Spartanburg, S. C., in Clemson College, Calhoun, S. C., and in Greenville, S. C., April 13-15, 1903.

Lecture in the Rhode Island State College, Kingston, R. I., April 17, 1903.

Single lectures in various towns and cities.

Publication.—The Real Burns. *The Booklovers Magazine*. March, 1903.

PROFESSOR CONN.—*Lectures*.—New Phases of the Struggle for Existence. The Brooklyn Institute, October, 1902.

The Struggle of the Pigmies and the Giant. East Hampton, January, 1903, and Bridgeport, May, 1903.

What is a Microbe? Litchfield, February, 1903.

Addresses at the Preparatory Schools at Montpelier, Kent's Hill and Bucksport, and at Cushing Academy and Stamford High School.

Publications.—Bacteria in Milk and its Products. P. Blakiston's Son & Co., Philadelphia, 1902.

Elementary Physiology. Silver, Burdett & Co., New York, 1903.

Comparative Growth of Different Species of Bacteria in Normal Milk [with W. M. Esten]. *Annual Report of Storrs Experiment Station*, 1901.

Improved Method of Studying Milk Bacteria [with W. M. Esten]. *Revue General du Lait*. Vol. II.

Studies Concerning the so-called Germicidal Action of the Milk [with W. A. Stocking]. *Revue General du Lait*. Vol. II.

The Struggle for Existence Among Bacteria. *The Independent*. Dec. 4, 1902.

The Chemistry of Life Processes. *The Independent*. Jan. 29, 1903.

PROFESSOR ARMSTRONG.—*Lectures*.—The Relation of Thought to Social Movements. Philosophical Club of Yale University, Nov. 11, 1902.

"Unconscious Mental Action." The Middlesex Congregational Association, Haddam, Conn., Dec. 9, 1902.

Publications.—Reviews of Creighton and Lefevre's translation of Paulsen's Immanuel Kant, his Life and Doctrine, and Carus's translation of Kant's Prolegomena to Any Future Metaphysic. *Philosophical Review*, September, 1902.

PROFESSOR MEAD.—*Publications*.—Conflicting Ideals in the Teaching of English. Secretary's Report of Pedagogical Section of Modern Language Association of America, Johns Hopkins University, Dec. 30, 1902. Published in *The Educational Review*, March, 1903.

Language Lessons [with W. F. Gordy] pp. xxvi., 219. Charles Scribner's Sons, New York, 1903.

PROFESSOR PATON.—*Publications*.—Articles on topics in Greek and Roman Archaeology, Art, Antiquities and Mythology in the *New International Encyclopedia*, Vols. I.-IX. Dodd, Mead & Co., New York, 1902, 1903.

Articles on The Archaeological Institute of America, and Archaeology. *The International Year Book*, 1903. Dodd, Mead & Co., New York, 1903.

PROFESSOR BRADLEY.—*Lecture*.—Liquid Air. Mount Hermon Academy and before the High Schools of Springfield, Hartford, Meriden, and four other places. This lecture was also delivered before the Scientific Association of Waterbury; the Smith College Club, Hartford; the Putnam Phalanx, Hartford; in the Winter Course at Northfield, Mass.; the Literary Club Course at Peace Dale, R. I.; and on eight other occasions.

PROFESSOR KUHN.—*Publications*.—The Story of the Troubadours. *Methodist Review*, January-February, 1903.

Studies in Pennsylvania German Family Names. *Americana Germanica*, LV., 1902, pp. 299-341.

PROFESSOR E. B. VAN VLECK.—On an extension of the 1894 Memoir of Stieltjes. Paper read before the American Mathematical Society, New York, Feb. 28, 1903.

PROFESSOR CHASE.—*Publication*.—Selected Lives of Nepos, with notes and vocabulary. pp. xii., 215. D. Appleton & Co., New York, 1902.

PROFESSOR FAUST.—A Defense and Interpretation of the Ninth Book of Wolfram's Parzival. A paper read before the meeting of the Modern Language Association, December, 1902.

Publication.—The Development of Goethe's Ethical and Religious Views. *Methodist Review*, September-October, 1902.

PROFESSOR BENEDICT.—The Nutritive Value of Alcohol. Paper read before the Massachusetts Medical Society, June 11, 1902.

Publication.—The Nutritive Value of Alcohol. *Boston Medical and Surgical Journal*, Vol. CXLVII., p. 31.

PROFESSOR DODGE.—*Publications*.—Five types of eye movement in the horizontal meridian plane of the field of regard.—*American Journal of Physiology*, January, 1903.

Review of G. M. Stratton's Der linear-perspectivische Factor in der Erscheinung des Himmelsgewölbes. *Psychological Review*, March, 1903:

Review of E. Reimann's Die scheinbare Vergrößerung der Sonne und des Mondes am Horizont. *Psychological Review*, March, 1903.

Review of E. Storch's Ueber das raumliche Sehen. *Psychological Review*, March, 1903.

Review of C. Ritter's Unfähigkeit zu lesen und auf Dictat zu schreiben. *Psychological Review*, March, 1903.

DR. CADY.—*Publication*.—Review of B. Weinstein's "Die Erdströme im deutschen Reichstelegraphengebiet." *Terrestrial Magnetism*, September, 1902.

PROFESSOR DUTCHER.—*Publications*.—Review of Mallet's *Mallet du Pan and the French Revolution*. *American Historical Review*, April, 1903.

Contributions on Modern French History to *The New International Encyclopedia*, Vols. I.-IX. Dodd, Mead & Co., New York, 1902-1903.

MR. BAKER.—*Publication*.—Maurice Hewlett. *Methodist Review*, July-August, 1902.

FACULTY LECTURE COURSE.

The following lectures and reading have been given in Memorial Chapel during the current college year:

December 11.—Professor G. D. Chase. The Rig-Vedas.

January 19.—Professor R. G. Hibbard. Reading.

February 17.—Professor F. W. Nicolson. The Olympic Games, Ancient and Modern (Illustrated).

March 3.—Professor W. E. Mead. The Origin of Place-Names in Connecticut.

March 17.—Professor F. G. Benedict, Scientific Aspects of Moderate Drinking.

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The following subjects have been discussed at the meetings of the Association since the last report in the BULLETIN:—

June 10, 1902.—Ventilation. Professor M. B. Crawford.

October 14.—The New Liquid Air Plant at Wesleyan. Professor W. P. Bradley.

November 11.—Some Scientific Investigations in Bodily Development. Professor William G. Anderson, of Yale University.

December 9.—The Eruptions of Mont Pelée. Professor T. A. Jaggar, of Harvard University.

January 13, 1903.—Domestic Architecture and Formal Gardening. Frank E. Perkins, of New York.

February 10.—Alaskan Totems. George Grant McCurdy, of Yale University.

February 16.—A Recent Medico-Zoölogical Trip through the Southern States. Charles Wardell Stiles, of Washington, D. C.

February 24.—Recent Astronomical Photography. George Willis Richey, of Yerkes Observatory.

April 21.—The Perception of Motion and the Illusions of Motion. Professor Raymond Dodge.

May 12.—Coral Islands. Professor G. H. Parker, of Harvard University.

APOSTLES' CLUB, 1902-1903.

October.—Professor Dutcher. "A Circumnavigator of Seventy Years Ago."

November.—Dr. C. H. Judd, of Yale University. "A Review of Wundt's *Völkerpsychologie*."

December.—Professor Winchester. "John Wesley's Taste in Love and Letters."

January.—Professors Armstrong, Mead, Paton, Faust, and Dutcher. Reports from the Holiday meetings of the Learned Societies.

February.—Mr. Baker. "Some Qualities of the Short Story."

March.—Professor Paton. "The American School of Classical Studies at Athens."

April.—Professor Dodge. "Some Recent Contributions to the Theory of the Visual Perception of Motion."

May.—Mr. Super. "Balzac."

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY.

Professor E. L. Thorndike, Teachers' College, Columbia University, Dec. 11, 1902, The Inheritance of Mental Traits.

Professor E. Hershey Sneath, Yale University, Jan. 13, 1903, A Philosophy of Mind in Verse.

Dr. A. R. Diefendorf, Connecticut Hospital for the Insane, April 27, 1903, The Nature and Origin of Insane Delusions.

JUNIOR EXHIBITION.

The annual Junior Exhibition was held in Memorial Chapel on the evening of Thursday, April 30. Six speakers presented orations. The first prize was awarded to Harold Edmund Wilson, of Penacook, N. H., for an oration on "Roger Sherman and the Crisis of 1787;" the second prize to Ralph Welles Keeler, of Windsor, Conn., who discussed "The Peace Conference at the Hague." The committee of award consisted of Rev. Charles Wesley McCormick, D. D., of Hartford; Rev. Frederick Joseph Kinsman, M. A., Professor of History in the Berkeley Divinity School, and Mr. William Walter Wilcox, Jr., B. A., of Middletown.

OBITUARY RECORD.

The following deaths among the Alumni have been reported since the publication of the last Obituary Record.

Class.

1842. Julius Augustus Baldwin, b. 20 November, 1814, in Woodbury, Conn.; d. 26 November, 1900, in Dover, N. J.

1842. Alexander Hamilton Mead, b. 7 January, 1821, in New York, N. Y.; d. 30 December, 1902, in Meriden, Conn.

Class.

1844. Benedict Starr, b. 4 August, 1822, in Danbury, Conn.; d. 10 September, 1902, in Danbury, Conn.
1845. John Tayler McLean, b. 4 October, 1823, in New York, N. Y.; d. 17 July, 1902, in Alameda, Cal.
1845. John Eastman Sanborn, b. 17 August, 1824, in Gilmanton, N. H.; d. 1 April, 1903, in Melrose, Mass.
1847. Perry Childs Smith, b. 24 November, 1827, in Cazenovia, N. Y.; d. 16 May, 1903, in Newport, R. I.
1849. Lorenzo Dow, b. 10 July, 1825, in Sumner, Me.; d. 12 October, 1899, in New York, N. Y.
1850. Thomas Sylvester Fellows, b. 4 September, 1828, in Gilmanton, N. H.; d. 1 July, 1902, in Floral City, Fla.
1852. Walter Oakley, b. 11 August, 1824, in Shrub Oak, N. Y.; d. 1 February, 1899.
1854. Augustus Ledyard Smith, b. 5 April, 1833, in Middletown, Conn.; d. 12 August, 1902, in Appleton, Wis.
1856. Solon Armstrong, b. 15 May, 1834, in Sutton, N. H.; d. 25 January, 1902, in Minneapolis, Minn.
1859. John Sanborn, b. 16 July, 1836, in Sanbornton Bridge (now Tilton) N. H.; d. 23 May, 1902, in Fayette, Ia.
1860. Edward Edson, b. 2 October, 1834, in Yarmouthport, Mass.; d. 23 May, 1902, in Yarmouthport, Mass.
1871. Watson Eli Knox, b. 16 July, 1841, in Blandford, Mass.; d. 12 July, 1902, in Feeding Hills, Mass.
1879. Henry Elwin Briggs, b. 26 October, 1852, in Williamstown, Vt.; d. 4 July, 1901, in Chicago, Ill.

CALENDAR.

- June 25, Thursday, 9:00 A. M.—Examination of candidates for admission will begin.
- June 25, Thursday, 8:00 P. M.—Prize Declamations.
- June 26, Friday, 4:00 P. M.—Championship baseball game: Williams vs. Wesleyan.
- June 26, Friday, 8:00 P. M.—Rich Prize Contest.
- June 27, Saturday, 2:30 P. M.—Championship baseball game: Williams vs. Wesleyan.
- June 27, Saturday, 5:00 P. M.—Preliminary Meeting of Phi Beta Kappa.
- June 27, Saturday, 8:00 P. M.—Glee Club Concert.
- June 28, Sunday, 10:30 A. M.—Baccalaureate Sermon, by President Bradford Paul Raymond, D. D., LL. D.

- June 28, Sunday.—Addresses on the Ecclesiastical and Religious Significance of the Wesleyan Movement.
 3:00 P. M.—Address by William Fraser McDowell, Ph. D., S. T. D., Corresponding Secretary of the Board of Education of the Methodist Episcopal Church. Henry Anson Buttz, D. D., President of Drew Theological Seminary, will preside.
 7:30 P. M.—Address by George Jackson, B. A., Superintendent of the Wesleyan Mission in Edinburgh. Cyrus David Foss, D. D., LL. D., Bishop of the Methodist Episcopal Church, will preside.
- June 29, Monday, 9:00 A. M.—Annual Meeting of Phi Beta Kappa.
- June 29, Monday, 11:00 A. M.—Announcement of award of prizes and of Preliminary Honors.
- June 29, Monday, 2:00 P. M.—Class Day.
- June 29, Monday, 4:00 P. M.—Laying of the corner-stone of the Scott Laboratory of Physics.
- June 29, Monday, 4:30 P. M.—Baseball game: Varsity vs. Alumni.
- June 29, Monday, 7:30 P. M.—Meeting of the Board of Trustees.
- June 29, Monday, 8:00 P. M.—Address, "John Wesley, the Man," by Professor Caleb Thomas Winchester, L. H. D. Poem, "John Wesley," by Richard Watson Gilder, L. H. D., LL. D., editor of *The Century*. Rev. William V. Kelley, D. D., editor of the *Methodist Review*, will preside.
- June 29, Monday, 10:00 P. M.—Campus Rally.
- June 30, Tuesday, 9:30 A. M.—Business Meeting of the Alumni Association, followed by reunions of all classes.
- June 30, Tuesday, 2:00 P. M.—Luncheon for Alumni and guests of the University. Toastmaster, Stephen Henry Olin, LL. D.
- June 30, 4:30 P. M.—Social Receptions by the College Fraternities.
- June 30, Tuesday, 8:00 P. M.—Address, "John Wesley's Place in History," by Woodrow Wilson, Ph. D., Litt. D., LL. D., President of Princeton University. His Excellency, Abiram Chamberlain, Governor of Connecticut, will preside.
- July 1, Wednesday, 10:30 A. M.—COMMENCEMENT. Addresses by Chauncey Bunce Brewster, D. D., Bishop of the Diocese of Connecticut, Protestant Episcopal Church; Edward Gayer Andrews, D. D., LL. D., Bishop of the Methodist Episcopal Church; and William Jewett Tucker, D. D., LL. D., President of Dartmouth College.
- July 1, 8:00 P. M.—President's Reception.
- Sept. 30, Wednesday—Examination of candidates for admission.
- Oct. 1, Thursday—First Term will begin.

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UNIVERSITY OF TORONTO

WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

NOVEMBER, 1903.—No. 33.

As was anticipated, the celebration of the Wesley Bicentennial at the last Commencement proved an occasion of unprecedented interest both on account of the number of alumni and distinguished guests who were present and the high character of the exercises. The entire program was a fitting tribute to the great man whose name it honored, and worthy the dignity of the institution.

At the last Commencement Professor John Monroe Van Vleck rounded out a half century of service on the faculty of Wesleyan University. At that time also he resigned the office of Vice-President, which he has so worthily held during the past thirteen years. Though relieved of administrative duties he still continues in charge of the work of the Department of Mathematics and Astronomy. The part which Professor Van Vleck has had in shaping the policy of Wesleyan during the past two generations is unique. Repeatedly called to the position of Acting President at critical periods in the history of the institution, he has stood in relations to trustees, faculty, graduates, and undergraduates different from those that have fallen to any other person. Conservative and yet progressive, his policy has become recognized as characteristic of Wesleyan University, and his work holds a large place in her permanent history.

The sixth edition of the supplement to the Alumni Record will appear in the course of a few weeks. As already announced, this will contain as full a list as possible of former students of Wesleyan who did not complete their college course. Of these there are 919 who are not reported

as deceased, and of about 800 the addresses are known. Any non-graduate student of the University who wishes to receive regularly the publications of the institution, has only to send his name and address to the Secretary of the Faculty.

The names of the class secretaries, so far as known, will be printed in connection with their respective classes, and not in the BULLETIN as was announced in a previous issue.

Progress upon the new buildings now in process of erection is being steadily made. The John Bell Scott Laboratory of Physics will doubtless be ready for use at the beginning of the next college year. The completion of Fisk Hall has been delayed beyond the time fixed by the contractor, but there is good prospect that it may be ready for occupancy not later than the middle of the college year.

In the course of the past summer the old steam pipes leading to the various college buildings have been replaced by new pipes enclosed in a protective packing. This change is one of considerable importance, since the loss of heat from the defective old pipes was at times a matter of much inconvenience in severe weather.

Encouraging progress has been made toward the raising of the million dollars to be added to the Endowment Fund of the University. Several pledges of considerable amount have already been secured and others are confidently expected. It is hoped that in the next BULLETIN a more detailed statement may be given. In the meantime special emphasis should be laid upon the fact that the alumni at their last annual meeting pledged their best efforts toward raising the sum of one hundred thousand dollars. This pledge will, it is hoped, be realized before another Commencement.

Attention is particularly directed to the resolutions of the Board of Trustees in memory of the late William Hoyt, whose important services to the University in various relations are there set forth. These resolutions are briefly summarized in the present BULLETIN and appear in full in the published Minutes of the Annual Meeting of the Board of Trustees, June 29, 1903.

In the death of Samuel Talcott Camp, which occurred very suddenly on the morning of July 7, Wesleyan University has lost a true and valued friend. For many years a member of the Board of Trustees and of the Local Executive Committee, he gave close attention to the business management of the University, and freely imparted the advice that was sought on every question bearing upon the material welfare of the institution. With many members of the faculty he stood in relations of peculiar intimacy, and his personal acquaintance with the student body for more than fifty years was unequalled by that of any other resident of Middletown. More than one position of trust and honor came to him unsought. His conscientious performance of every duty, however small, made him invaluable. Himself a man of the highest integrity, he expected from others the same devotion to principle that he exemplified in his own life. But his was a kindly spirit, without bitterness, and his memory will long be gratefully cherished.

COMMENCEMENT NOTES.

TRUSTEE MEETING.—The annual meeting of the Board of Trustees was held in Middletown, beginning on the evening of Monday, June 29, and concluding on the following day. Thirty-three members were present at the roll call.

Hon. George G. Reynolds, LL. D., declined re-election as President of the Board, and was elected President *pro tempore* to serve until his successor should be chosen. [At a special meeting held in October, 1903, Henry C. M. Ingraham, LL. D., was elected President of the Board.]

Rev. D. G. Downey was chosen Secretary in place of Rev. E. M. Mills, D. D., who declined re-election. The Board expressed its cordial appreciation of the efficient and valuable services of Dr. Mills and ordered the same to be entered on the minutes. Rev. Charles H. Buck was re-elected Treasurer of the Board.

The annual reports of the President and the Finance Committee were received and placed on file.

O. K. Eldredge was elected trustee to fill the vacancy caused by the death of William Hoyt. George S. Coleman, S. T. Camp, Rev. Charles H. Buck, Hon. Phineas C. Lounsbury, and O. K. Eldredge were elected trustees, their terms to begin in 1904.

It was voted that the title of W. G. Cady be Associate Professor of Physics, and that the title of H. T. Baker be Tutor in English.

The request of Professor E. B. Van Vleck for leave of absence for the college year, 1904-1905, was granted.

The resignations of J. M. Van Vleck as Vice-President of the University, and of E. B. Rosa as Professor of Physics were accepted, and committees were appointed to draft appropriate resolutions.

The Board accepted with cordial thanks the portrait of the late President Joseph Cummings offered by the Rev. F. M. Turrentine. Mr. Turrentine appeared before the Board and exhibited the portrait, with a brief explanation of the circumstances under which it came into his possession.

The action of the Wesley Bicentennial Committee in employing the Rev. Isaac L. Wood as Financial Secretary of the University was ratified, and the following statement was adopted by the Board:

"The Board of Trustees at its annual meeting June 30th, 1903, finds itself under that increasing financial stress which is at once an evidence of growth and a pledge of permanence. The financial condition of the University is thoroughly sound, its one need is an enlargement of its permanent funds, and this need is both imperative and immediate. The Board herewith makes record of its conviction that at the earliest day possible one million of dollars should be added to the permanent funds of the institution, and pledges its earnest support to the special commission already entrusted with the responsibility of raising this fund and to the Rev. Isaac L. Wood, Financial Secretary of the Commission, in his endeavor to secure this great result for the University."

The Trustees adopted by a unanimous rising vote a minute concerning the late William Hoyt, expressing their high appreciation of his nobility of character, his devotion to the interests of the University and of its Faculty, and his faithful and valuable service as Treasurer.

The Local Executive Committee was given authority to fill the vacancy caused by the resignation of F. W. Marvel as Director of the Gymnasium.

[During the summer H. C. Swan, M. D., of Tufts Medical College, was appointed Director of the Gymnasium for one year.]

ALUMNI ASSOCIATION.—The Annual Meeting of the Association was held on Tuesday of Commencement week, with President W. H. Sutton in the chair. The following officers were elected for the year 1903-1904: President, W. P. Hubbard, '63; Vice-Presidents, Charles Scott, Jr, '86, C. E. Davis, '76, E. B. Sanford, '65; Recording Secretary, E. B. Van

Vleck, '84; Corresponding Secretary, W. J. James, '83; Treasurer, J. E. Loveland, '89; Executive Committee, D. W. Northrop, '68, E. B. Birdsey, '71, E. G. Derby, '83, M. B. Crawford, '74, W. U. Pearne, '74.

Webster R. Walkley, '60, was re-elected Alumni Trustee and Frederic W. Clarke, '70, was elected Alumni Trustee for a term of five years, commencing in 1904.

J. M. Van Vleck was appointed a member of the Library Committee for the term of three years and M. E. Culver for the term of one year.

Rev. W. V. Kelley, D. D., presented the greetings of the Trustees and spoke upon the urgent needs of the University.

Rev. F. M. Turrentine of Highland-on-the-Hudson presented to the college a portrait of President Joseph Cummings, which had formerly belonged to Amenia Seminary. The portrait was received on behalf of the Alumni by Rev. G. P. Mainus, D. D. The Secretary was directed to convey in writing the appreciation of the Alumni of the thoughtfulness, the labor, and the consideration of Rev. F. M. Turrentine in obtaining for the University the portrait of President Joseph Cummings.

Rev. I. L. Wood, the financial agent of the University, then reported upon the efforts being made to secure additional endowment for the University.

F. D. Beattys, '85, for the Graduate Advisory Committee on Athletics, brought to the attention of the Association a plan for the management of athletics at Wesleyan University by means of an Athletic Council, composed of alumni, members of the Faculty, and undergraduates. The plan was approved by the Association, and W. D. Leonard, R. B. Hibbard, and W. F. Little were appointed a committee to nominate the Alumni members of the Council. The members thus nominated and elected were S. V. Coffin, '89, C. H. Judd, '94, and L. E. Gordon, '94. In addition, the following officers of a proposed Alumni Athletic Association were elected: President, D. L. Robertson, '78; Vice-President, J. C. Wells, '88; Secretary and Treasurer, A. H. Burdick, '99. These officers were appointed a committee to determine the conditions of membership in the new association and to prepare a constitution.

On motion of D. G. Downey it was voted that the Association pledge its best endeavors to raise \$100,000 among the alumni of Wesleyan University.

The following resolution was also adopted:

Resolved, That the Alumni Association of Wesleyan University hereby express its appreciation and gratitude to the contributors of the Willbur Fisk Memorial Building and to Mr. Charles Scott and Mr. Charles Scott, Jr., for the magnificent gift which they have made in the John Bell Scott Memorial Laboratory for Physics.

NOTES.—The celebration of the Wesley Bicentennial brought together a larger gathering than had ever attended a Wesleyan Commencement. The most complete lists obtainable show the presence of ninety-two invited guests, of whom forty-four represented colleges and professional schools, thirty-six Trustees, and five hundred and ninety-six former students, of whom only twenty-seven were non-graduates. Even more gratifying than the large attendance was the heartiness with which all entered into the spirit of the occasion and contributed to its success.

At the Commencement exercises on Wednesday, July 1, the following honorary degrees were conferred:

The degree of Doctor of Divinity on:

William Henry Huntington, Acting President of Boston University.

Henry Anson Butts, President of Drew Theological Seminary.

John Binney, Dean of Berkeley Divinity School.

Frank Knight Sanders, Dean of the Divinity School, Yale University.

William Fraser McDowell, Secretary of the Board of Education of the Methodist Episcopal Church.

Eugene Russell Hendrix, Bishop of the Methodist Episcopal Church, South.

Chauncey Bunce Brewster, Bishop of the Diocese of Connecticut of the Protestant Episcopal Church.

The degree of Doctor of Laws on:

Henry Cruise Murphy Ingraham, of Brooklyn, N. Y.

David Allison, President of the University of Mt. Allison College, New Brunswick.

James Whitford Bashford, President of Ohio Wesleyan University.

William Jewett Tucker, President of Dartmouth College.

Henry Van Dyke, Professor of English Literature, Princeton University.

William Henry Brewer, Professor of Agriculture, Sheffield Scientific School, Yale University.

Richard Watson Gilder, Editor *The Century Magazine*.

John Lewis Bates, Governor of the Commonwealth of Massachusetts.

Leslie Mortier Shaw, Secretary of the Treasury of the United States.

Abram Chamberlain, Governor of the State of Connecticut.

The candidates for the degree of Doctor of Divinity were presented by Professor A. C. Armstrong and those for the Degree of Doctor of Laws by Professor C. T. Winchester. As each candidate was presented, the President indicated in a few words the grounds on which the honor was conferred.

THE WESLEY BICENTENNIAL MEMORIAL VOLUME.—There is now passing through the press a volume which will be an appropriate memorial of the Wesley Bicentennial celebration of last summer. This volume

will contain a detailed account of the exercises, all the addresses in full, and—in an appendix—lists of alumni and guests present, with other interesting statistical matter. It will be illustrated with two of the best portraits of Wesley, portraits of all the principal speakers at the celebration, and views of the college buildings and grounds. It is printed at the DeVinne Press, and will be sold for one dollar and fifty cents. Orders may be addressed to Professor M. B. Crawford. It is expected that the book will be published in December.

THE FINANCES.—The following is a brief statement of the property of the University, according to the most recent appraisal, and of the income and expenditure for the financial year 1902-1903:

Property of the University.

Invested funds, - - - - -	\$1,426,837 22
College buildings and campus, - - - - -	608,721 00
Scientific collections and apparatus, - - - - -	87,600 00
Library, - - - - -	55,000 00
Furniture in various college buildings, - - - - -	13,080 00
Cash, - - - - -	58,918 76
Total, - - - - -	\$2,250,156 98

Receipts from May 31, 1902, to May 31, 1903.

Students' bills,* - - - - -	\$36,308 75
Interest on investments and rents, - - - - -	61,623 04
Women's Dormitory, - - - - -	2,677 58
Commons, - - - - -	4,442 65
Special subscriptions for Cryogenic Laboratory, - - - - -	430 28
Special subscriptions for tuition, - - - - -	950 00
Special subscriptions for deficit of 1902, - - - - -	1,600 00
Special subscriptions for other purposes, - - - - -	325 22
Wesley Bicentennial Fund, - - - - -	427 61
Miscellaneous, - - - - -	1,057 57
Advanced from Endowment Funds, May 30, 1903, - - - - -	26,743 25
Total, - - - - -	\$136,585 95

Expenditures from May 31, 1902, to May 31, 1903.

Salaries, - - - - -	\$62,825 00
Fuel, light, water, insurance, - - - - -	8,764 87
Janitorial service, - - - - -	4,360 50
Repairs and improvements, - - - - -	3,328 23

* Inclusive of \$11,427 tuition remitted.

Women's Dormitory, - - - - -	\$4,454 99
Commons, - - - - -	3,984 98
Department appropriations, - - - - -	2,907 50
Library and Reading Room, - - - - -	2,389 15
Museum, - - - - -	54 22
Cryogenic Laboratory, - - - - -	356 82
Machine Shop, - - - - -	339 85
Gymnasium, - - - - -	198 30
Aid to students—tuition, - - - - -	11,427 00
Interest, annuities, and scholarships, - - - - -	5,085 43
Printing, postage, catalogues, bulletins, etc., - - - - -	3,681 72
Wesley Bicentennial, - - - - -	366 63
Miscellaneous, secretarial assistance, Commence- ment expenses, prizes, etc., - - - - -	4,735 24
Balance due Treasurer, May 31, 1902, - - - - -	17,325 52
Total, - - - - -	\$135,585 95

*Library Account.**Receipts.*

Alumni Library Endowment, - - - - -	\$1,501 60
Hunt Library Endowment, - - - - -	1,306 25
Balance on hand May 31, 1902, - - - - -	796 29
Total, - - - - -	\$3,604 14

Expenditures.

Librarian's bills, - - - - -	\$2,662 35
Hunt Endowment, - - - - -	434 50
Balance on hand May 30, 1903, - - - - -	507 29
Total, - - - - -	\$3,604 14

APPOINTMENT TO THE FACULTY.

Robert Herndon Fife, Jr., elected to be Associate Professor of German, was graduated from the University of Virginia in 1895, with the degrees of B. A. and M. A. During the next three years he was instructor in English and German at St. Albans School, Radford, Va. He spent the years 1898-1901 in study at Göttingen and Leipzig, receiving the degree of Ph. D. from the latter university in 1901. From 1901 to 1903 he was instructor in German in the Western Reserve University, Cleveland, Ohio. His doctor's dissertation has appeared in extended form as *Der Wortschatz des englischen Maundeville*, (Leipzig, Seele & Co., 1902).

DEPARTMENT NOTES.

ETHICS AND RELIGION.—The class in Relations of Science and Religion this year will use as a text-book, Professor Rice's book entitled "Christian Faith in an Age of Science," which is about to be published by A. C. Armstrong & Son.

GEOLOGY.—The Connecticut Legislature at its last session made an appropriation of \$3,000 to start, in a humble way, a Geological and Natural History Survey of the state. With the exception of the making of the topographical map of the state, one-half of the cost of which was paid by the state, and the other half by the United States Geological Survey, the state has done nothing in the way of a geological and natural history survey since the survey established in 1835, under the direction of Shepard and Percival, the last report of which, by James G. Percival, the poet and geologist, was published in 1842. The new organization is placed under the direction of a Board of Commissioners, consisting of the Governor of the State, and the Presidents of Yale, Trinity, Wesleyan, and the State Agricultural College. At a meeting of the Commissioners held last summer, Professor Rice was appointed Director of the survey, and he has been in consultation with a number of scientific men in the state who will undertake various parts of the work. One piece of work which is to be undertaken at an early date is the preparation of a manual of the geology of the state. This will probably be a pamphlet of about 100 octavo pages, and will give a summary of our present knowledge of the subject. It is believed that such a work will be of special value to the teachers in the high schools and other educational institutions. This manual of the geology of Connecticut will be the joint work of Professor Rice and Professor H. E. Gregory of Yale University.

During the past summer Mr. Loper has been employed under the auspices of the United States Geological Survey in the study of the Cambrian formation of Cape Breton. In this expedition Mr. Loper collected more than 4,000 specimens of fossils, which are likely to prove of great value in connection with the important studies on the Cambrian which are being prosecuted by Mr. Walcott, the Director of the United States Geological Survey. The preliminary examination of Mr. Loper's collection which has been made, shows that he has obtained one large Trilobite which is probably a species entirely new to science.

GERMAN.—Professor Fife, in taking charge of the department, has made certain rearrangements in the schedule of courses. Course III. in conversational German has been extended in scope and Kron's German Daily Life is used as a basis for the work. Course V., which was formerly devoted to Goethe and Schiller, is now limited to Goethe, and

the second half-year is spent on Faust and the Faust Legend. Former Course VIII., rapid readings in contemporary German literature, has been replaced by two half-year courses: Course VI., a general study of Nineteenth Century German literature, and Course VII., devoted to the life and works of Heine. Former Course VII. is now numbered VIII. Former Courses VI., Middle High German, and IX., German Seminary, are omitted this year. Next year two half-year courses, IX. and X., will be given in Old High German and Middle High German respectively. These courses are intended primarily for graduate students, and in successive years will probably alternate between elementary and advanced work.

RECENT GIFTS.

Since the publication of the BULLETIN in December, 1902, the following gifts have been received:

Payments on account of the Twentieth Century Fund have amounted to \$59,506.37. Including previous payments, there is available for the erection of Willbur Fisk Hall the sum of \$80,595.60, of which \$1,039.58. is accrued interest.

The sum of \$1,922.15 has been received for the Wesley Bicentennial Fund. The University has also received from the late Joseph Van Vleck the sum of \$25,000 in payment of his subscription toward the building and equipment of an Astronomical Observatory. From Charles Scott has been received \$60,000 and from Charles Scott, Jr., \$5,000 on account of the John Bell Scott Memorial Laboratory. For the George W. Shonk Scholarship Fund, John J. Shonk, of Plymouth, Mass., has given \$4,000 and Mrs. Ida Shonk \$1,000.

The contributions for current expenses and for deficit amount to \$3,625; for tuition, \$950; for the Cryogenic Laboratory, \$505.28; for the salary of the Physical Director, \$576.50; and for other purposes, \$73.22.

The Government of the United States has returned \$3,545, being the excess of legacy taxes collected from the bequests of J. H. Sessions and A. S. Hunt. The expenses in recovering these taxes were \$354.50.

Rev. John Gowdy, '97, of the Anglo-Chinese College, Foo Chow, China, desiring to be represented in some way at the Wesley Bicentennial celebration, employed two men last winter to form a collection of Chinese coins, which he has sent as a gift to the University. The collection has been assorted and labeled and numbers more than two hundred specimens, dating from the fifth century before Christ down to the present time. Accompanying the collection, which is now in the coin

cabinet in the Library, Mr. Gowdy sent a list of the Chinese dynasties in Chinese characters with an English translation. This list will be of considerable service in the study of the large number of Chinese coins which the University now possesses.

THE LIBRARY.

From November 1, 1902, to October 31, 1903, the sum of \$375.50 was received on account of subscriptions to the Alumni Library Endowment. The University has received from the United States Government the war tax paid on the Hunt legacy. After deducting certain expenses the amount thus added to the Hunt Library Endowment is \$2,065.50. In addition \$434.50 has been transferred from income to principal, increasing the Hunt Library Endowment to \$30,000. The Alumni Library Endowment and the Hunt Library Endowment amount together to \$65,344.53.

There have been presented to the Library during the year ending April 30, 1903, 764 bound volumes, 2,294 pamphlets and numbers of periodicals, and 285 maps. In addition 40 periodicals have been received regularly as gifts. The most important gift of the year was an almost complete set of the publications of the Egypt Exploration Fund, presented by Mr. John Bentley, of Brooklyn, N. Y. Other principal donors were the United States Government, the State libraries of Connecticut and New York, the Connecticut State Board of Education, the Maryland Geological Survey, the Washburn Observatory, the British and Foreign Bible Society, and the following individuals: Prof. A. C. Armstrong, Hon. F. E. Barker, '74, A. R. Crittenden, Rev. J. C. W. Coxe, '63, W. B. Ferguson, Prof. W. C. Fisher, Hon. J. R. Hawley, L. R. Hazen, R. D. Milner, '98, Prof. J. M. Paton, Miss G. G. Pike, Hon. O. H. Platt, B. A. Rich, '78, Prof. E. B. Rosa, '86, Hon. N. D. Sperry, and Prof. J. M. Van Vleck, '50.

The number of volumes added to the Library from June 1, 1902, to May 31, 1903, was 1,549. They were obtained as follows: By purchase, 635; by binding periodicals and pamphlets, 292; by exchange, 25; by gift, 633. Deducting 36 volumes, exchanged, sold, or lost, there remains a net addition of 1,549 volumes. The total number of volumes in the Library at the present time is 64,000.

From June 1, 1902, to May 31, 1903, 5,870 books and periodicals were drawn from the Library for home use. In addition 877 volumes were withdrawn from circulation and reserved either in the Library or in seminary rooms.

The reclassification work of the past summer covered American history, geography, and travel, about 3,000 volumes in all. The total number of volumes classified is 42,000.

THE MUSEUM.

The Curator of the Museum has nearly completed a rearrangement of the mineralogical collections. The shelves, which were somewhat overcrowded, are being relieved by putting some of the inferior specimens into drawers, and the best specimens are thus more advantageously displayed. New printed labels are being prepared for the specimens on the shelves.

The following are among the most important donations to the Museum which have been received since the last BULLETIN: a collection of about 170 human and animal figures and other small objects, from the ancient temples of Assouan in Egypt, presented by Mr. Clarence S. Wadsworth; an Indian mortar from New Milford, Conn., presented by Mr. C. O. Stone; a specimen of an Angora goat, which has been finely mounted, presented by Mr. D. W. Clarke; a fine mounted specimen of a peacock, presented by Mr. J. Peters Pelton; a collection of 108 birds' eggs, presented by Mr. Richard L. deZeng; and a model of the famous Welcome Nugget from Ballarat, Australia, presented by Professor Atwater.

THE ATHLETIC COUNCIL.

For a number of years the management of athletics at Wesleyan has been divided among three bodies—the Executive Committee of the Undergraduate Athletic Association, an Advisory Committee of Alumni elected by the undergraduates, and the Faculty, who have for the most part confined their general power of supervision to the enforcement of the eligibility rules and such control of the schedule of games as should prevent any excessive absence from college duties. While this method has been fairly successful, it has for some time seemed to those especially interested, that a closer union of Faculty, alumni, and undergraduates, in a governing council composed of representatives of these three bodies, would yield more satisfactory results. Last spring a constitution for such a council was prepared by a committee consisting of Professor Nicolson, E. L. Steele, '94, and Z. P. Bennett, 1903, acting by the appointment of the Alumni Advisory Committee. This constitution was approved at once by the Undergraduate Athletic Association, and by the

Alumni Association at its annual meeting in June. This fall it was approved by the Faculty subject to the approval of the Board of Trustees and the adoption of certain conditions which will be incorporated in the revised constitution now in preparation. The Board of Trustees has approved the formation of an Athletic Council on the terms proposed by the Faculty. The Council is composed of the following members: Faculty, Professors Nicolson, Paton and Dodge; Alumni, S. V. Coffin, '89, L. E. Gordon, '94, C. H. Judd, '94; Undergraduates, H. F. Legg, E. MacNaughten, C. A. Stone, the Managers of the track, base-ball and foot-ball teams. It has organized by electing Mr. Coffin President, Professor Dodge Vice-President, and Mr. Legg Secretary. It is proposed to organize in the near future an Alumni Athletic Association, whose members will elect the alumni representatives on the Council. It is believed that the new Council will not only conduce to an harmonious management of the athletic interests of the college, and the development of a consistent and well-considered policy, but also secure renewed interest and hearty support from the alumni.

CHI PSI FRATERNITY HOUSE.

The Alpha Alpha of Chi Psi has nearly completed the erection of a new chapter house on Cross Street nearly opposite Judd Hall. The house is in the form of a letter H, two stories high, with low roof effect. The architectural style is copied from English models. The first story is of brown stone and brick, and the second story of stained shingles. The first floor, containing the reception and living rooms, will be finished in Flemish oak and the walls hung with burlap. The second floor will be finished in hard woods and arranged in suites, each containing a study, sleeping room and bath, to accommodate sixteen men. The architect is Mr. Elmer F. Almira of New York, and the contractor, Mr. Horace Butler of Middletown. The cost including furnishings will amount to about \$40,000. The fraternity expects to move into the lodge during the winter.

RECENT COLLEGE APPOINTMENTS.

Class.

1891. Linnaeus Edford La F  tra, Instructor in Diseases of Children, and Chief of Children's Department (Vanderbilt Clinic), College of Physicians and Surgeons, New York.
1892. Lincoln Robinson Gibbs, Professor of English Literature, Wells College, Aurora, N. Y.

1893. George Hubbard Blakeslee, Instructor in History, Clark College, Worcester, Mass.
1894. Edwin Bryant Nichols, Professor of Romance Languages, Kenyon College, Gambier, Ohio.
1894. Frederick Curry Ostrander, International Fellow, Columbia University, New York.
1895. Norman Everett Gilbert, Assistant Professor of Physics, Dartmouth College, Hanover, N. H.
1897. Frederick William Roe, University Scholar in English, Columbia University, New York.
1898. Archer Everett Young, Instructor in Mathematics, Purdue University, Lafayette, Ind.
1900. Arthur Wesley Browne, Instructor in Analytical Chemistry, Cornell University, Ithaca, N. Y.
1901. John Edward Adams, Instructor in Mathematics, Baldwin University, Berea, Ohio.
1901. Burton Howard Camp, Instructor in Mathematics, Massachusetts Institute of Technology, Boston, Mass.
1902. William Harry Clemons, Charles Scribner Memorial Fellow, Princeton University, Princeton, N. J.
1902. Everett Lynn Thorndike, University Scholar in European History, Columbia University, New York.
1903. George Wilber Hartwell, Instructor in Mathematics, Michigan Agricultural College, Lansing, Mich.
1903. Carl Stephen Mueller, University Scholar in German, Columbia University, New York (Resigned).
1903. George Franklin Strong, Assistant in the Library, Wesleyan University.

CALENDAR.

1903.

- Oct. 1. Thursday, 9:00 A. M.—College year began.
- Nov. 25. Wednesday, 12:00 M.—Thanksgiving recess began.
- Nov. 29. Sunday, 8:50 A. M.—First chapel exercise after the close of the Thanksgiving recess.
- Dec. 23. Wednesday, 12:00 M.—Christmas recess will begin.

1904.

- Jan. 5. Tuesday, 8:00 A. M.—Christmas recess will end.
- Jan. 28. Thursday,—Day of Prayer for Colleges.
- Feb. 6. Saturday,—Feb. 19, Friday,—Mid-year examinations.
- Feb. 22. Monday,—Washington's Birthday,—a holiday.
- Mar. 30. Wednesday, 12:00 M.—Spring recess will begin.
- April 5. Tuesday, 8:00 A. M.—Spring recess will end.
- April 21. Thursday,—Junior Exhibition.
- May 31. Monday,—Memorial Day,—a holiday.
- June 29. Wednesday,—COMMENCEMENT.



WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

JUNE, 1904.—No. 34.

SINCE the last issue of the BULLETIN the new buildings have advanced steadily toward completion. While the work on Willbur Fisk Hall has not progressed so rapidly as was anticipated, the contractors have now finished their task and the building is ready to receive its furniture. At the recent meeting of the Board of Trustees the necessary expenditures for this purpose were authorized, and it seems certain that the building will be ready for occupancy at the opening of the next college year. It is intended to dedicate the building at Commencement.

The exterior of the John Bell Scott Memorial Laboratory has been finished, while work on the interior has already advanced to such a point that there is good reason to believe that this building also will be ready for use in September.

The sixth edition of the Supplement to the Alumni Record was published in December. It contains alphabetical lists of the Faculty, living graduates, non-graduates, and honorary alumni; the names of all alumni, and of all non-graduates, arranged by classes; and a table showing the geographical distribution of graduates and non-graduates. The tables of statistics show that of the 2,398 alumni, 72 per cent. are living. Of these, 22 per cent. are engaged in educational work, 19 per cent. are in the active ministry, 17 per cent. in business, 12 per cent. are lawyers, and 5 per cent. physicians. The only changes from the ratios of the fifth edition (1901) are an increase of 1 per cent. in those engaged in educational work and in business, and a decrease of 1 per cent. in the number of lawyers. Copies of the Record may be obtained by applying to the Secretary of the Faculty, Professor F. W. Nicolson.

During the past four years an increased interest in debate has been manifested by the undergraduates. This is undoubtedly due in great measure to the establishment in 1900 of the annual debate with Williams College. Following this was the change in the method of appointing the four contestants in the Briggs Prize Debate, whereby they were selected not from the Junior class but after a competition open to all classes. Last year arrangements were made for an annual debate with Syracuse University to be held near the end of the winter term. Of the four debates with Williams, each college has won two, Wesleyan being victorious at Middletown last November. The first debate with Syracuse was held at Syracuse on March 28, and again Wesleyan was successful. The Freshmen debaters also defeated Mount Hermon School on April 16. The only formal instruction in debate provided by the University is a course for Seniors conducted by Professor Winchester. The undergraduates, however, have organized a debating society with membership from the three upper classes, and a Freshman society. Both bodies meet regularly throughout the college year, and choose from their members the competitors in the preliminary trials by which the representatives in the public debates are selected.

The University has recently purchased the Hubbard Clarke estate on the corner of High Street and Wyllys Avenue, and in accordance with the vote of the Board of Trustees this house will now become the President's residence. In connection with this purchase Miss Jennie M. Clarke has established a scholarship fund of \$10,000, to bear the name of her uncle, the late Samuel D. Hubbard. This fund is subject to an annuity during the lifetime of Miss Clarke.

In the last issue of the BULLETIN attention was called to the completion by Professor J. M. Van Vleck of fifty years of service on the Faculty, and to his retirement from the Vice-Presidency. By the recent action of the Board of Trustees, he has now been made Professor Emeritus, and, at his own request, relieved from obligation to further service, though retaining the privilege of giving such elective courses in his department as he may see fit.

By the death of Professor R. G. Hibbard, Wesleyan University has lost one of her oldest instructors, who during more than forty years of faithful service won the respect and affection of his colleagues and pupils. The minute adopted by the Faculty expresses in some measure the sorrow of those with whom he had been so long associated, but his loss will also be deeply mourned by the many alumni, who knew and loved him.

During the month of May Professor Winchester has been in Los Angeles, California, in attendance upon the General Conference of the Methodist Episcopal Church, as one of the lay delegates from the New York East Conference. It is interesting to note that among the delegates to the General Conference are twenty-six Wesleyan graduates and six non-graduates.

Professor Mead, who was granted leave of absence for the second half of the present college year, sailed from New York on March 12 for Gibraltar. After visiting Spain and Italy, he will go to Vienna, where he expects to spend the summer in study.

The University Sermon this year will be preached by the Rev. Bishop John H. Vincent, S. T. D., LL. D.

Owing to lack of space the publication of the reports of Recent Gifts, the Library, and the Museum has been postponed until the next number of the BULLETIN.

RALPH GUERNSEY HIBBARD.

The Faculty have placed on their records the following minute on the death of Professor Hibbard:

The Faculty of Wesleyan University wish to record their sense of the loss sustained by the University, and their own poignant sorrow, at the sudden death of Professor Ralph Guernsey Hibbard. Professor Hibbard had been a member of the Faculty for forty-four years, and enjoyed the ever increasing respect of the many classes who had been his pupils, and the loving regard of a great circle of friends. A most pleasing voice and manner, cultivated by long training and directed by a refined taste, made him an excellent teacher of the art of public speech. As a reader he had few superiors; it was a rare pleasure to listen to his sympathetic interpretation of some of the choicest passages of our literature. But while Professor Hibbard was highly esteemed in his profession, he was universally beloved as a friend. His gracious

dignity of manner, his genial and affable temper, his unfailing courtesy and genuine unselfishness won the hearts of all who knew him. A most useful citizen, an earnest Christian, he will be missed in all the best activities of city and church; but nowhere, save in the home he has left, will he be more sadly missed than in the college he has served so long and in the circle of the Faculty by whom he was so highly esteemed and so genuinely beloved.

TRUSTEE MEETING.

A special meeting of the Board of Trustees of Wesleyan University was held at 150 Fifth Avenue, New York, on Friday, April 15, 1904, at 2 P. M., President H. C. M. Ingraham in the chair.

Professor J. M. Van Vleck, who has completed fifty-one years of service in the work of the University, was at his own request released from obligation to further service. His title was changed to Professor Emeritus, with the privilege of giving such electives in his department as he may see fit.

The following persons were reappointed for one year:

Francis G. Benedict, Ph. D., to be Associate Professor of Chemistry.

George M. Dutcher, Ph. D., to be Associate Professor of History.

Ralph C. Super, M. A., to be Tutor in Modern Languages.

William M. Esten, M. S., to be Assistant in Biology.

Horace C. Swan, M. D., to be Director of the Gymnasium.

All other prospective changes in the Faculty were referred to the General Executive Committee with power.

A sum not exceeding \$7,000 was appropriated for the equipment of Willbur Fisk Hall, the spending of the amount being referred to the Local Executive Committee with the addition of Mr. W. U. Pearne.

The report of the committee on the purchase of the Clarke property was offered, accepted, and ordered placed upon the minutes. It was voted that the property be designated as the President's Residence.

DEPARTMENT NOTES.

GREEK.—The following changes will be made in the courses in Greek for next year. A new course (III.) will be given in the history of Greek literature. It will meet once a week, and in addition to lectures and recitations, each student will be expected to pursue a short course of reading in Greek or English. In Course IV. (three hours a week) Demosthenes' Oration on the Crown will be studied during the first half-year, and three Greek tragedies during the second. During the first half-year a new course, meeting twice a week, will be offered in Athenian social and public life. It will treat of slavery, trades and other

occupations, the organization of religion and its relation to the State, and the public and political duties of the citizen. Instruction will be chiefly by lectures, but special topics will be assigned to the students for investigation and report. These courses will be given by Associate Professor Paton. Associate Professor Chase, in addition to conducting the first half of Course II., will repeat his course in General Linguistics. This course treats of the general principles of the science of language, and is intended not merely for students of Latin and Greek, but for all who are interested in the problems connected with the growth, development, and relationship of languages in general.

ROMANCE LANGUAGES.—A seminary course (VI. French) will be given next year, open to Juniors and Seniors who propose to teach French. The work will consist in the study of grammar, composition, the phonetics of French pronunciation, methods of teaching, and bibliography.

PHILOSOPHY.—According to the announcement made in the BULLETIN a year ago, Course V., Introduction to Philosophy, has been given in 1903-1904, in an enlarged and remodeled form, as an elective for Juniors and Seniors. This is a return to the practice which was followed in 1888-1895, and it is intended to continue the same arrangement in the future. In its present form the course is planned as a first course in philosophy proper, and so to meet the needs of different classes of students. For those who purpose to elect the advanced courses in the department it may serve as a course in philosophical encyclopedia. For students in other departments it includes, further, a summary account of the fundamental philosophical problems and the principal solutions which have been proposed for them, adding thus a brief outline of philosophy to the discussion of its scope and relations. Opportunity is also given for considering the interrelations of the different types of modern thinking, and the various branches of academical study.

A duplicate of the photographic recording apparatus, which was recently designed by Prof. Dodge for the quantitative study of the movement of the eyes, was constructed during the winter for Columbia University, to be used in graduate research in the Psychological Laboratory of that institution.

PHYSICS.—For the Electrical Laboratory, a standard potentiometer outfit has been purchased from the Leeds & Northrup Company of Philadelphia, for use in calibrating electrical instruments and in research work.

CHEMISTRY.—With the aid of the grant from the Carnegie Institution, improvements have been made in the respiration calorimeter which permit of the direct determination of the amounts of oxygen consumed by a man in the respiration chamber. The results have been unexpectedly successful.

The grant of \$5,000 for the year 1903 by the Carnegie Institution to Professor Atwater in aid of respiration calorimeter experiments has been renewed for the year 1904, with an increase to \$7,000.

Instruction in the course in Liquefaction of Gases is much facilitated this year by the use of a very complete series of diagrams and charts. These were made by Mr. E. H. Schlutt, '04, and illustrate very effectively the history of the subject, representing as they do nearly every important advance in the mastery of high pressure and low temperature from the time of Faraday down to the present.

Owing to the unusually cold winter the efficiency tests of the liquid air plant, which were begun last year, were suspended for some months. Curiously enough, extreme cold weather is unfavorable to the production of liquid air in the present temporary quarters, as it renders proper lubrication of the machinery difficult and at times quite impossible. The work is now in progress again, however, and with very satisfactory results. Friends of the college will be interested to know that the liquefier now in use, which was constructed here at the laboratory, yields easily from three to four times as much liquid air per horse-power per hour as any other of equal size in the world.

BIOLOGY.—The Agricultural Department at Washington has made arrangements to coöperate with the Bacteriological Laboratory of Wesleyan University and the dairy department of the Storrs Agricultural Experiment Station in carrying out experiments upon problems connected with the manufacture of soft cheeses. The problems concerned are largely those of bacteriology and it is for this reason that the work is to be undertaken in connection with the laboratories at Wesleyan. The experiments are to be carried out partly at Storrs where the more practical problems will be studied, and partly at Wesleyan where the work done will be of a more scientific nature. The whole line of investigation is under the general direction of Professor Conn, who visits the station at Storrs weekly to keep in touch with the work at that place. It is hoped that the investigation may be the means of establishing a new industry in this country.

A part of the work of the State Geological and Natural History Survey of Connecticut has been placed in the hands of Professor Conn. This work consists of the study of the microscopic life of the waters of the state and is in line with work that has been done in the Biological Laboratory at Wesleyan University for a number of years. The work is to be partly compilation of previous work, but largely new work. In this work Professor Conn will be aided by Miss Lucia Hazen who will give special attention to the Algae. Professor Conn himself will study the Protozoa and the bacteria. He will devote a part of the coming summer to this work.

FACULTY LECTURES AND PUBLICATIONS.

PROFESSOR RICE.—*Lectures*.—Proper Scope of Geological Teaching in the High School and Academy. National Educational Association, Boston, Massachusetts, July 9, 1903. Abstract published in *Proceedings of the National Educational Association*.

The Physical Geography and Geology of Connecticut. State Board of Agriculture, Middletown, Connecticut, December 15, 1903. Published in the *Annual Report of the Board of Agriculture*.

The Sciences as Studies in the High School. Connecticut Classical and High School Teachers' Association, New Britain, Connecticut, February 13, 1904.

The Pastoral Opportunity of the College Professor. Religious Education Association, Philadelphia, Pennsylvania, March 4, 1904. Published in *Proceedings of the Religious Education Association*.

Publications.—Christian Faith in an Age of Science. Pp. xi., 425. A. C. Armstrong & Son, New York, 1903.

Convocation Week. *Science*, April 1, 1904.

PROFESSOR ATWATER.—*Lectures*.—Die direkte Bestimmung des Sauerstoffs in Untersuchungen ueber Stoff-und Kraftwechsel. An account of the later modifications of the respiration calorimeter at Wesleyan University. Physiologische Gesellschaft, Berlin, Germany, October 23, 1903.

Les effets physiologiques de l'alcool. An account of the work of the Committee of Fifty for the Investigation of the Liquor Problem, and of the experiments on the nutritive value of alcohol made under its auspices at Wesleyan University. Given at a reception tendered to Professor Atwater. Musée Social, Paris, France, November 8, 1903.

Reminiscences of Thirty Years of Agricultural Science in Connecticut. State Board of Agriculture, Middletown, Connecticut, December 17, 1903. Published in the *Annual Report of the Board of Agriculture*.

Coefficients of Digestibility and Availability of the Nutrients of Food. American Physiological Association, Philadelphia, Pennsylvania, December 29, 1903.

Alcohol Physiology in the Public Schools. Barnard Club, Providence, Rhode Island, March 12, 1904.

The Respiration Calorimeter. Mount Hermon School, Mount Hermon, Massachusetts, April 6, 1904.

College Students and Citizenship. University of Georgia, Athens, Georgia, April 30, 1904.

Home Science in the School. Georgia State Normal School, Athens, Georgia, April 30, 1904.

Publications.—The Nutritive Value of Alcohol. *The Physiological Aspects of the Liquor Problem: A Report of the Physiological Subcommittee of the Committee of Fifty for the Investigation of the Liquor Problem*, volume 2, pp. 169-343.

Description of a Bomb Calorimeter and the Method of its Use [with J. F. Snell]. *Journal of American Chemical Society*, July, 1903.

Nutrition Investigations of the Storrs Experiment Station. The Conservation of Energy in the Living Organism. The Demands of the Body for Nourishment: Dietary Standards. (Three articles.) *Fifteenth Annual Report of the Storrs Agricultural Experiment Station, 1902-03*.

Experiments on the Metabolism of Matter and Energy in the Human Body, 1900-1902 [with F. G. Benedict, A. P. Bryant, R. D. Milner, and Paul Murrill]. *Bulletin No. 136 of the Office of Experiment Stations, United States Department of Agriculture*. Pp. 357.

PROFESSOR WINCHESTER.—*Lectures.*—John Wesley, the Man. Wesley Bicentennial Celebration, Wesleyan University, Middletown, Connecticut, June 29, 1903. Published in *Wesley Bicentennial*.

Literature as a Means of Religious Education in the Home. Religious Education Association, Philadelphia, Pennsylvania, March 3, 1904. To be published in *Proceedings of Religious Education Association*.

Lectures in Richmond, Virginia; at Wells College, Aurora, New York; at the Rhode Island College of Agriculture, Kingston, Rhode Island; and at various schools.

Publications.—John Wesley. (Two articles). *The Century Magazine*, July and August, 1903.

The Roger de Coverley Papers from the Spectator, edited with Introduction and Notes. Pp. 258. New York, 1904.

Review of Dr. J. Albert Swallow's Methodism in the Light of the English Literature of the Last Century. *Journal of English and German Philology*, April, 1904.

PROFESSOR CONN.—*Lectures.*—Our Common Molds. Brooklyn Institute of Arts and Sciences, Brooklyn, New York, March 16, 1904.

Agricultural Bacteriology. A course of lectures before the Storrs Agricultural College, Storrs, Connecticut.

Bacteriology. A course of three lectures at the State Normal Training School, Willimantic, Connecticut, May 11, 18, 23, 1904.

Lectures at various high schools and academies.

Publications.—Bacteria Yeasts and Molds in the Home. Pp. vi., 293. Ginn & Company, Boston, 1903.

The Relation of Temperature to the Keeping Property of Milk. *Bulletin No. 26 of the Storrs Agricultural Experiment Station*.

Social Heredity. *The Independent*, January 21, 1904.

Bacteria in Freshly Drawn Milk. *Fifteenth Annual Report of the Storrs Agricultural Experiment Station*, 1902-03.

Qualitative Analysis of Bacteria in Market Milk [with W. M. Esten]. *Fifteenth Annual Report of the Storrs Agricultural Experiment Station*, 1902-03.

Comparison of Bacteria in Strained and Unstrained Milk. Strained and Unstrained Milk Preserved at 50° and at 70° Fahrenheit. Aseptic Milk. (Three articles with W. A. Stocking.) *Fifteenth Annual Report of the Storrs Agricultural Experiment Station*, 1902-1903.

PROFESSOR ARMSTRONG.—*Lectures*.—The Enlargement of Religion. The Middlesex Congregational Association, Middletown, Connecticut, April 12, 1904.

The Characteristics of the Present Age. The Future Course of Thought. Two lectures in the course on the Fundamental Problems of Philosophy, before the Department of Philosophy and Psychology, Columbia University, New York, May 16, 17, 1904.

Publications.—Transitional Eras in Thought with Special Reference to the Present Age. Pp. ix., 347. The Macmillan Company, New York and London, 1904.

The Passing of a Generation. *The Methodist Review*, May-June, 1904.

PROFESSOR MEAD.—*Publications*.—The Squyr of Lowe Degre. A Middle English Metrical Romance, edited in all the extant forms with Introduction, Notes, and Glossary. Pp. lxxxv., 111. Albion Series of Anglo-Saxon and Middle English Poetry. Ginn & Company, Boston, 1904.

Grammar Lessons. A Second Book in English [with W. F. Gordy]. Pp. 300. Charles Scribner's Sons, New York, 1904.

PROFESSOR PATON.—*Publications*.—Articles on topics in Greek and Roman Archaeology, Art, Antiquities, and Mythology in the *New International Encyclopædia*, volumes 10-17. Dodd, Mead & Company, New York, 1903-04.

PROFESSOR BRADLEY.—*Lectures*.—Liquid Air. Sigma Xi Society, Brown University, Providence, Rhode Island; Trinity College, Hartford, Connecticut; University of Maine, Orono, Maine; Storrs Agricultural College, Storrs, Connecticut; the academies or high schools at Tilton, New Hampshire; Waltham, Massachusetts; Wilbraham, Massachusetts, Rye, New York; Montclair, New Jersey; Pennington, New Jersey; and at four other places.

Efficiency of the Wesleyan University Liquid Air Plant and Demonstration of Liquid Air. Northeastern Section of the American Chemical Society, Boston, Massachusetts, April 22, 1904.

Publication.—Resistance of Glass Tubing to Bursting Pressure [with A. W. Browne]. *Journal of Physical Chemistry*, volume 8, pp. 38-55.

PROFESSOR KUHN. — *Publications*. — The Great Poets of Italy, together with a brief connecting Sketch of Italian Literature. Pp. 359. Houghton, Mifflin & Company, Boston, 1903.

Dante and the English Poets from Chaucer to Tennyson. Pp. vi., 277. Henry Holt & Company, New York, 1904.

PROFESSOR E. B. VAN VLECK. — *Lectures*. — Selected Topics in the Theory of Divergent Series and of Continued Fractions. A course of six lectures. Colloquium of the American Mathematical Society, Boston, Massachusetts, September 2-5, 1903.

The Convergence of Algebraic Continued Fractions whose Coefficients have Limiting Values. American Mathematical Society, New York, February, 1904. To be published in *Transactions of the American Mathematical Society*, July, 1904.

Publication. — On an Extension of the 1894 Memoir of Stieltjes. *Transactions of the American Mathematical Society*, July, 1903, pp. 297-332.

PROFESSOR CHASE. — *Publication*. — Cape Cod Dialect. *Dialect Notes*, volume 2, part 5, 1903.

PROFESSOR BENEDICT. — *Lecture*. — Some Chemical Factors in Glycosuria. Central Medical Society, Middletown, Connecticut, January 11, 1904.

Publications. — The Teaching of Chemistry in Graded and Secondary Schools. *Science*, New Series, volume 18, pp. 465-470.

Experiments on the Metabolism of Matter and Energy in the Human Body, 1900-1902 [with W. O. Atwater, A. P. Bryant, R. D. Milner and Paul Murrill]. *Bulletin No. 136 of the Office of Experiment Stations, United States Department of Agriculture*. Pp. 357.

Scientific Aspects of Moderate Drinking. *Boston Medical and Surgical Journal*, volume 150, pp. 174-181.

Studies in Body Temperature. I. Influence of the Inversion of the Daily Routine: The Temperature of Night Workers. *American Journal of Physiology*, volume 11, pp. 145-169.

PROFESSOR DODGE. — *Lecture*. — The Participation of the Eye Movements in the Visual Perception of Motion. The New York Branch of the American Psychological Association, October, 1903.

Publications. — The Participation of the Eye Movements in the Visual Perception of Motion. *Psychological Review*, January, 1904.

Review of Alfred Guttman's *Blickrichtung und Grössenschätzung*. *Psychological Bulletin*, March, 1904.

PROFESSOR FIFE.—*Lecture*.—William Tell. Woman's Club, Richmond, Virginia, December 31, 1903.

Publications.—The Vestry Book of King William Parish, Virginia, Translated and Annotated. *Virginia Magazine of History and Biography*, volume 11, January and April, 1904.

Sudermann's Latest Drama. *Lamp*, March, 1904.

PROFESSOR DUTCHER.—*Publications*.—Contributions on Modern French History to the *New International Encyclopædia*, volumes 10-17. Dodd, Mead & Company, New York, 1903-04.

ADDRESSES BEFORE THE UNIVERSITY.

The annual sermon on the Day of Prayer for Colleges, January 28, 1904, was preached in Memorial Chapel by the Reverend Frederick Watson Hannan, '90, of Brooklyn, New York.

The following lectures have been given in Memorial Chapel during the current college year:

January 18.—President B. P. Raymond. A Visit to the Colored Schools of the South.

January 26.—Professor W. C. Fisher. The Social Significance of the Trades Union.

March 10.—Professor E. T. Merrill. Glimpses of Modern Italian Life.

March 21.—Dr. A. S. Cooley, of Auburndale, Mass. Athens (Illustrated).

April 7.—Professor J. M. Paton. The Legendary Age of Greece (Illustrated).

MIDDLETOWN SCIENTIFIC ASSOCIATION.

The following subjects have been discussed at the meetings of the Association since the last report in the BULLETIN:

June 9, 1903.—The Scott Physical Laboratory. Professor M. B. Crawford.

The Cause of Smallpox. Professor H. W. Conn.

October 13.—The Type and the Individual. Professor H. P. Bowditch, of Harvard University.

November 10.—Carbon Dioxide in Geological Time. Professor W. N. Rice.

Description and Demonstration of a Recently Devised Bicycle Ergometer. Mr. S. C. Dinsmore.

Recent Results of a Study of Body Temperature. Professor F. G. Benedict.

January 12, 1904.—Electro-Chemistry at Niagara Falls. Professor C. F. Chandler, of Columbia University.

February 9.—Forestry. Mr. Walter Mulford, State Forester of Connecticut.

March 8.—The Action of Radium, Actinium, and Ultra-Violet Light upon Mineral Substances. Mr. George F. Kunz, of Tiffany & Company, New York.

April 12.—Construction of the Liquefier, and the Distribution of Temperature in the Coil of the Interchanger in the Liquid Air Plant. Professor W. P. Bradley.

Efficiency Tests of the Wesleyan University Liquid Air Plant. Mr. A. W. Rowe.

May 10.—The Geological and Natural History Survey of the State of Connecticut. Professor W. N. Rice.

The Work of the Microscopy of the Waters of the State. Professor H. W. Conn.

The Calorimetric Bomb. Professor F. G. Benedict.

APOSTLES' CLUB.

October.—Professor Merrill. Incidents of a Recent Visit to Italy.

November.—Professor Kuhns. French Influence in Italian Literature.

December.—Professor Chase. Present Tendencies in Linguistic Science.

January, 1904.—Professors Armstrong, Paton and Dutcher. Reports from the holiday meetings of learned societies.

Professor Paton. The Forged Tiara of Saitaphernes.

February.—Professor Armstrong. Herbert Spencer.

March.—Professor Dutcher. The Expansion of Russia.

April.—Professor Fife. E. T. A. Hoffmann, Romanticist and Realist.

May.—Professor Paton. Some Aspects of Classical Study.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY.

November 3, 1903.—Professor C. H. Judd, Yale University. The Study of Mental Development.

November 30, 1903.—Professor John Grier Hibben, Princeton University. The Philosophy of the Enlightenment.

January 21, 1904.—Professor George Trumbull Ladd, Yale University. Prolegomena to a Philosophy of Religion.

March 17, 1904.—Professor A. H. Pierce, Smith College. Submerged Consciousness.

JUNIOR EXHIBITION.

The annual Junior Exhibition was held in Memorial Chapel on the evening of Thursday, April 21. The committee of award, consisting of Rev. E. Campion Acheson, Professor A. M. Hitchcock, of the Hartford High School, and Mr. W. W. Wilcox, gave the first prize to Daniel Roy Freeman, of Ontario, California, who spoke on "The Good the Enemy of the Best;" and the second prize to George Edmunds Tolman, of Danemora, New York, whose subject was "Rousseau and the Rights of Man."

YOUNG MEN'S CHRISTIAN ASSOCIATION.

The following report upon the work of the Young Men's Christian Association has been furnished by Mr. A. R. Gifford, President during 1903-1904:

Throughout the past year the healthy tone of the spiritual life of our men has been manifested in faithful attendance upon the devotional meetings and by willingness to aid the various committee chairmen when necessary. During the second week of December special services of an evangelical nature were held under the leadership of the Rev. F. W. Hannan, '90, and Rev. T. S. Henderson, '92. Although there was a marked absence of sensationalism, the college body was deeply stirred. All were profoundly influenced by the helpful addresses of Messrs. Henderson, Hannan, and others of our alumni. Over thirty men at this time took a positive stand for "the better things."

The Missionary Volunteer Band numbers six members. During the year two Mission Study Classes, having a total membership of twenty-five, have been maintained, with a good percentage in attendance. The Association has guaranteed \$400 for the support of the Wesleyan University Mission Institute at Chung-king, West China, of which Joseph Beech, '99, is principal and founder. This work, which has been highly commended by Bishop Moore and others, deserves the hearty support of both undergraduates and alumni.

A large Bible Study Class has taken up the Life of Paul, based upon Burton's "Records and Letters of the Apostolic Age," under the direction of Professor Rice. In addition six group classes with from six to twelve members each have been organized in various fraternity houses.

The Neighborhood Work Committee has continued the usual work at the Poor Farm and the supplying of preachers, Sunday School teachers, and speakers. The Sunday School for the children of employees at the Benvenue quarry has also been continued.

The Membership Committee secured 160 members. During the first week of college this committee conducted an Information Bureau, at which over \$200 worth of second-hand books was sold for students. The exchange of furniture, securing of rooms, and other arrangements were also facilitated by the Bureau.

For the first time in some years the Financial Committee was able to report that the Association was entirely out of debt.

At present the Association work demands more time than undergraduate officers can justly be expected to give to it. It is hoped some arrangement can be made soon for securing a paid secretary who would give at least one-half of his time to the Association. Those who have been at Wesleyan for four years appreciate the fact that one great need of the Association is an Association Building. The very fact of such a building would give the Association a deeper hold upon more men than can at present be reached. The work of the Association itself would be given a definiteness and tangibility not at present apparent to those not actively connected with it. It is hoped that this need—which is so real—will before long be recognized and met by some generous alumnus.

WESLEY BICENTENNIAL VOLUME.

A memorial volume was issued in February last by Wesleyan University containing a full record of the proceedings of the celebration of the Bicentennial Anniversary of the birth of John Wesley which took place at Middletown last summer. The book was printed by Theodore L. DeVinne & Co., of New York. It contains over 250 pages, and includes a general account of the celebration, the full text of all addresses delivered, and an appendix giving the names of all committees, of the invited guests who were present, of all recipients of degrees, honorary and in course, and of nearly 600 alumni who attended the celebration. It is illustrated also with several pictures of the college buildings and grounds, with two excellent portraits of Mr. Wesley, and with portraits of the principal speakers.

The price is \$1.50, postage prepaid. Orders should be sent to the Librarian of Wesleyan University.

OBITUARY RECORD.

The following deaths among the Alumni have been reported since the publication of the last Obituary Record:

Class.

1836. Dwight Elizur Bates, b. 21 November, 1814, in Springfield, Mass.;
d. 18 February, 1899, in Haniburg, Ala.

Class.

1837. Willard Martin Rice, b. 1817, in Lowville, N. Y.; d. 6 March, 1904, in Haverford, Pa.
1839. Waldo Flint Converse, b. 8 October, 1818, in New Braintree, Mass.; d. February, 1899.
1842. George Hyde Bliss, b. 27 April, 1820, in Wilbraham, Mass.; d. 24 June, 1903, in Watsonville, Cal.
1847. George Bell Newell Wailes, b. 21 September, 1828, in Wilkinson County, Miss.; d. 6 February, 1904, in Iberville, La.
1853. William Fitch Conrad, b. 7 November, 1826, in Ithaca, N. Y.; d. 20 December, 1901, in Des Moines, Ia.
1853. Hiram Augustus Jones, b. 3 December, 1831, in Grafton, Mass.; d. 11 April, 1898, in Appleton, Wis.
1853. Joel Augustus Steele, b. 14 May, 1827, in Needham, Mass.; d. 29 September, 1903, in New London, Conn.
1860. William Henry Lee, b. 5 March, 1836, in Stanstead, Quebec, Can.; d. 18 August, 1903, in Plattsburg, Mo.
1860. Samuel Martin Stiles, b. 19 June, 1834, in Pittsfield, Mass.; d. 24 January, 1904, in Washington, D. C.
1863. Oliver Haley Fernald, b. 19 January, 1835, in Mt. Desert, Me.; d. 23 July, 1903, in Dexter, Me.
1863. George Alonzo Hall, b. 13 May, 1837, in New Castle, N. Y.; d. 22 February, 1904, in Montclair, N. J.
1864. Jedediah Durkee Beeman, b. 26 November, 1835, in Fairfax, Vt.; d. 18 August, 1903, in Union Village, Vt.
1865. William Amos Nottage, b. 15 March, 1838, in North Braintree, Mass.; d. 8 January, 1904, in Cochrasset, Mass.
1866. Herbert Joel Stevens, b. 4 March, 1839, in Boston, Mass.; d. 19 July, 1903, in Wellesley, Mass.
1867. Joseph Albertson Dilks, b. 3 February, 1839, in Glassboro, N. J.; d. 3 August, 1903, in Philadelphia, Pa.
1869. Edson Warburton Davis, b. 1 March, 1842, in Albany, Vt.; d. 12 December, 1903, in Torrington, Conn.
1869. Tamerlane Pliny Marsh, b. 30 July, 1845, in Orland, Ind.; d. 22 July, 1903, in Flushing, Ohio.
1871. Daniel Stillman Alford, b. 2 October, 1848, in Riverton, Conn.; d. 22 February, 1904, in Lawrence, Kan.
1872. Charles Wesley Young, b. 4 May, 1850, in Pittston, Me.; d. 1902, in Missoula, Mon.
1875. John Parker Bronk, b. 24 January, 1855, in Brooklyn, N. Y.; d. 22 January, 1904, in Bridgeport, Conn.
1876. William Somerfield Blake, b. 12 March, 1852, in Hancock, N. Y.; d. 19 December, 1903, in New York, N. Y.

Class.

1883. Warren Tyler, b. 4 August, 1861, in Higganum, Conn.; d. 21 December, 1903, in Bartow, Fla.
1885. Ida Rachel Gridley, b. 3 November, 1862, in Canton Center, Conn.; d. 9 March, 1904, in Collinsville, Conn.
1895. Samuel Bowman Opdyke, b. 10 June, 1873, in Berwick, Pa.; d. 17 July, 1903, in Easton, Pa.
1897. Alexander Montague Atherton, b. 13 August, 1875, in Honolulu, Hawaii; d. 27 August, 1903, in Liberty, N. Y.
1898. Arthur Wellington Price, b. 8 May, 1876; d. 9 January, 1904, in Carmel, Me.

CALENDAR.

1904.

- June 24, Friday, 7:30 P. M.—Freshman, Sophomore, and Junior Prize Declamation.
- June 26, Sunday, 10:30 A. M.—Baccalaureate Sermon, by the Rev. Bradford Paul Raymond, D. D., LL. D.
- June 26, Sunday, 7:30 P. M.—University Sermon, by the Rev. Bishop John Heyl Vincent, S. T. D., LL. D.
- June 27, Monday, 11 A. M.—Public Awarding of Prizes.
- June 27, Monday, 2:00 P. M.—Class Day Exercises.
- June 27, Monday, 8:00 P. M.—Annual Meeting of Board of Trustees.
- June 27, Monday, 8:00 P. M.—Glee Club Concert.
- June 28, Tuesday, 9:00 A. M.—Meeting of the Φ. B. K. Fraternity.
- June 28, Tuesday, 10:00 A. M.—Business Meeting of the Alumni Association.
- June 28, Tuesday afternoon—Reunion of Classes of 1854, '79, '89, '94, '97, 1901.
- June 28, Tuesday, 4:00 P. M.—Dedication of Willbur Fisk Hall.
- June 28, Tuesday afternoon—Receptions by the College Fraternities.
- June 29, Wednesday—COMMENCEMENT.
- June 29, Wednesday afternoon—Commencement Luncheon.
- June 29, Wednesday evening—President's Reception.
- June 30, Thursday, 9:00 A. M.—Examination of candidates for admission will begin.
- Sept. 28, Wednesday, 9:00 A. M.—Examination of candidates for admission will begin.
- Sept. 29, Thursday, 9:00 A. M.—First Term will begin.

Published by Wesleyan University, Middletown, Conn.

WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

NOVEMBER, 1904.—No. 35.

THE Freshman Class this year numbers ninety-one. Of these, ninety are men.

With the opening of the college year the new Willbur Fisk Hall has been made ready for occupancy. Every class in the departments of Ancient and Modern Languages, History, Economics, and Philosophy is now adequately housed. Seminaries for reading and research are provided for each department, and the professors may be consulted in their adjoining studies. Few colleges in the country, it may be safely said, have better facilities for successful work than are provided in Fisk Hall.

Scott Hall, the new Laboratory of Physics, is to be dedicated on December 7. A detailed announcement of the exercises appears on a subsequent page.

As is noted in the report of the Librarian, the endowment of the Library is increased by the payment of the Wilcox bequest of \$20,000 to \$85,379. This increase makes possible a considerable enlargement of the annual appropriations for each department, and facilitates the work of all classes that pursue investigations prescribed by the instructor.

For several years the advisability of continuing the requirement of church attendance has been carefully considered by the Faculty and the Trustees of the University. There has been a growing feeling that the compulsory attendance has not, as a rule, fostered the spirit with which a religious service should be approached, and has in some cases engendered hostility to religious exercises of every sort. Last year a resolution of the Faculty recommending the abolishment of the requirement was presented to the Board of Trustees. After some discussion the matter was referred by the Trustees to the Faculty for final action. This has recently been taken, and the requirement has been abolished.

It is hardly necessary to add that Wesleyan remains, as it has always been, a Christian college in spirit and in influence, and that this change has been made in the interest of a more genuine religious life in the student body.

DEDICATION OF JOHN BELL SCOTT MEMORIAL LABORATORY.

The Alumni of Wesleyan University are invited to be present at the dedication of the John Bell Scott Memorial Laboratory of Physical Science on Wednesday, the seventh of December.

There will be an address at 2:30 P. M., in Memorial Chapel, by Professor Edward B. Rosa, Ph. D., of Washington, D. C., on "The National Bureau of Standards and its relation to Scientific and Technical Laboratories." The address will be followed by the dedicatory exercises in the lecture room of the John Bell Scott Memorial. The building will be formally presented by H. C. M. Ingraham, LL. D., Chairman of the Building Committee, and accepted by President Raymond. The dedicatory prayer will be offered by Rev. Bishop E. G. Andrews, LL. D.

The exercises will be followed by a reception at the President's residence from 5 to 6:30 P. M.

SAMUEL FOSTER UPHAM, D. D.

It is fitting that the death of Dr. S. F. Upham, which occurred just at the beginning of the present college year, should receive a few words of recognition in the BULLETIN. Through an entire generation he was actively interested in the development of Wesleyan University, and in a multitude of ways helped to shape the policy of the institution.

Dr. Upham was pre-eminently a preacher. In the good sense of the phrase, he was a popular preacher. He preached not philosophy nor literature, but the gospel of Christ; and "the common people heard him gladly." His occasional addresses were often remarkable for their fitness and timeliness. As Professor of Practical Theology since 1881 in Drew Theological Seminary, he influenced profoundly and beneficently the life and work of multitudes of the younger generation of preachers. The respect and esteem in which he was held by his brethren in the ministry is shown by his election six times to the General Conference. His cordial good-fellowship and geniality of spirit made him one of the best-loved men in every society in which he moved. He served as a Trustee of Wesleyan University from the time of the acceptance of the new charter in 1871, and the college had no more faithful servant or more loyal son.

COMMENCEMENT NOTES.

TRUSTEE MEETING.—The annual meeting of the Board of Trustees was held in Judd Hall, beginning at 8 P. M., Monday, June 27, 1904, the President, H. C. M. Ingraham, in the chair. The officers of the Board were elected as follows: H. C. M. Ingraham, President; D. G. Downey, Secretary; and C. H. Buck, Treasurer.

The President presented his annual report.

The following minutes were unanimously adopted:

First: On the retirement of G. G. Reynolds from the Presidency of the Board:

"Your committee having been appointed to draft resolutions on the retirement of Judge Reynolds from the Presidency of the Board, beg leave to report as follows: The glory of a University is in the attainments, character, and influence of its Alumni. That glory is enhanced when its Alumni cheerfully enlist their powers in and devote their time to the service of their Alma Mater. In the career and reputation of the Hon. George G. Reynolds, the University, in all its personal elements, has rejoiced from his graduation to the present time. In the light of his life the work and standing of Wesleyan University have been seen and admired by two generations; and while he lives and long afterwards, his pure fame and that of the institution will be interwoven. At the present time, by his retirement from the Presidency of the Board of Trustees, we are called to consider the invaluable services he has rendered to the University in the office he has resigned. As the position is onerous, to a large extent private and without emolument, his willingness to perform

its duties has been a living testimony of his interest. His legal knowledge and recollections of the history of the institution have been made the property of the Board; and his patience, dignity and kindliness of spirit, not less than his sound judgment, have contributed to the orderly and sagacious transaction of business. Of all this the Board expresses its high appreciation and its gratification that his retirement from the Presidency does not involve his withdrawal from the Board, which we hope will include his name and enjoy his presence for many years to come."

Second: On the retirement of J. M. Van Vleck from the Vice-Presidency of the University:

"John M. Van Vleck entered Wesleyan University in 1849 and was graduated in 1850 at the age of seventeen years. In 1853 he became a member of the faculty. For four years he was adjunct Professor of Mathematics, and from 1858 to the present, he has been Professor of Mathematics and Astronomy in the University. When he entered its faculty, he was younger than any other person who has ever been a member of that body; and since then he has been officially connected with the University longer than any other person, excepting only Mr. John L. Smith, who was a Trustee for fifty-eight years.

"Four of his children are graduates of the institution, and in one of them he has contributed an able and eminent professor to the department of Mathematics. Of the forty-one hundred students that have entered Wesleyan, about thirty-three hundred have passed under his formative influence. More than half of the members of this Board were once his pupils. He has been Acting President of the University on three occasions, in all for four years, and he has been its Vice-President from 1890 to 1903.

"Being a man of wide and accurate information, of strong moral character and influence, self-reliant, firm in purpose, incisive and cogent in argument, persuasive and wise in counsel, always loyal to his Alma Mater, and combining in a marked degree a dignity of culture and scholarship with innate force of leadership, he has naturally and properly had a strong influence upon the development of the University, and greatly to its benefit.

"It was not strange, therefore, that this Board, in 1890, not finding in the Charter of the University or its By-laws, any provision for a Vice-President, created the office in order that it might avail itself more fully of his services, and that he might be clothed with authority to take charge of its administration at any hour of need.

"It is not necessary that we should make note of this man's high relations to our University. For thirteen years he served the college well as its Vice-President. He has for more than half a century been transferring his own ideas and life into the character of the institution, and has made for himself an abiding place in the memories and hearts of the thousands whom he has benefited. Such a memorial must have far more significance than any record we can enter upon our books. This University will be for many years to come, among other good things, the conservator of his useful energy.

"Bodily infirmities lurk in the path of most men who have passed the year-post of seventy, and Professor Van Vleck has thought it wise to move into the autumn of life untrammelled by office and its obligations, and to be free to realize the optimism of Browning that 'the best is yet to be.' We therefore, in justice to him, while rejoicing that we cannot be deprived of the good that he has wrought for the University, regretfully accept his resignation."

The gift of the late Joseph Van Vleck of certain securities, then exceeding twenty-five thousand dollars in value, toward the erection of an observatory was accepted, and the Secretary was instructed to express to the family of the said Joseph Van Vleck the appreciation of the Board for this generous contribution to the permanent funds of the University.

H. C. M. Ingraham presented the researches that had been made by Miss Clara Van Vleck under instructions from the Board, concerning scholarships, endowments, etc., and the Finance Committee was instructed to have Miss Van Vleck's researches printed for the use of the Board.

The thanks of the Board were tendered to Miss Van Vleck for her painstaking researches.

The Finance Committee was authorized and instructed to separate the various accounts for endowment, etc., and to keep each account independently.

The sum of three thousand dollars additional was appropriated for the equipment of the John Bell Scott Memorial Laboratory of Physics.

The Secretary of the Board was authorized to express to the Carnegie Institution the appreciation by the Board of the gifts of the Institution toward the investigations of Professor Atwater.

The following resolution on the services of S. T. Camp was adopted:

"Samuel Talcott Camp was for twenty-four years a valued member of this Board of Trustees, beginning in 1879 and ending at his death on July 7th, 1903. In all the history of the college, few men have served it so efficiently. His amiable personal qualities, his willing disposition, his sound sense, and his steadfastness made him a safe and sure reliance.

The three institutions to which he was supremely devoted were his home, his church, and Wesleyan University; to each of these his devotion was entire; for each of them the only limit to his services was the limit of his power. It is doubtful if any trustee ever rendered a more intelligent service. As a resident trustee and a member for many years of the Local Executive Committee, he was of exceptional value. He had the advantage of knowing the college and its work and all that went on in it, by constant and close observation. Belonging both to the college and the town, and having the full confidence of both, he was a promoter of mutual good understanding and a bond of union between town and college. In this respect, particularly, he was a wise and influential helper of the University. His practical knowledge as a man of affairs was of immense benefit in the care of the real estate and local property of the college. He watched over the buildings and grounds of the institution as intently and closely as over his own. For consultation and advice in all that related to the condition of the property, or to improvements or changes therein, he was the President's main dependence. Nor was he a mere onlooker and dispenser of advice; he was a laborious worker, giving much valuable time and actual hard labor, year in and year out, to these interests.

"His last service to the college was in watching over the erection of Willbur Fisk Hall, as a member of the building committee, from the consideration of plans and the breaking of ground up to almost the last hour of his life. A year ago he went with us, with manifest enthusiasm of pride, through the Wesley Bicentennial and the great commencement; and a few days after that splendid celebration passed into history, he passed away from earth. Seized with an attack of angina pectoris in his physician's office, in a moment, in the twinkling of an eye, he was not, for God had taken him. Sudden and swift came the solemn summons, and in the full tide of his action, when his heart was warm and his thoughts were busy and his hands were engaged for Wesleyan University, he sank down into the long rest.

"His service was not in word, but in deed; in its solidity and in its magnitude, it is monumental and forever memorable. No figures or language can adequately tell how much it has been worth to the college which he so sincerely loved and so greatly assisted.

"We direct that a copy of this minute be presented, with the earnest sympathy of this Board of Trustees, to Mrs. Samuel T. Camp."

The canvassers of the vote cast for two Alumni Trustees reported that Stephen H. Olin and Charles Scott, Jr., having received the highest number of votes cast, were elected trustees for five years beginning in 1905.

The following were elected trustees, term to expire in 1910:

Rev. Samuel Foster Upham, D. D., LL. D.

Rev. Bishop Cyrus David Foss, D. D., LL. D.

Charles Scott, Esq.

Rev. Bishop Edward Gayer Andrews, D. D., LL. D.

Rev. Joseph Elijah King, Ph. D., D. D.

Rev. William Valentine Kelley, D. D.

Hon. Watson Carvosso Squire, B. A.

In place of Samuel T. Camp, deceased, Cyrus D. Jones, of Scranton, Penn., term to expire in 1909.

In place of J. H. Alexander, Hon. Wesley U. Pearne, term to expire in 1907.

In place of George West, deceased, John F. Porter, Esq., term to expire in 1908.

A. R. Crittenden, of Middletown, was also elected a member of the Board, term to expire in 1910.

The following appointments were made:

Walter G. Cady, Ph. D., to be Associate Professor of Physics for two years.

Burton H. Camp, B. A., to be Instructor in Mathematics for one year.

Samuel F. Holmes, Ph. B., to be Assistant in English for one year.

Miss Ernestine Rose, to be Assistant Librarian for one year.

Other nominations were left to the Academic Council and the Local Executive Committee with power. [During the summer Alfred Ludvig Gunderson, B. A., was appointed Assistant in Physics, and George Paget Owen Fenwick, B. A., Assistant in Chemistry.]

J. M. Van Vleck was elected Assistant Treasurer of the University.

President Raymond presented to the Board a gavel and the following letter descriptive of it from Rev. Bostwick Hawley, D. D., of the class of 1838:

"Rereading after the lapse of forty years, the Life and Letters of Stephen Olin, D. D., LL. D., President of Wesleyan University from 1842 to the day of his decease, I was so impressed with the account of his conversion, as given by himself, and of the incident leading to it, when he just entered on his duties as the Principal of the Academy at Abbeville, S. C., that I wrote to Rev. J. O. Wilson, D. D., for a piece of the tree, at the foot of which Mr. Olin gave his heart to God.

"Failing in this, I wrote as directed to George C. Hodges, M. A., of Greenwood, S. C., for a piece of the Academy building, known as Cokesbury Academy, at Abbeville, S. C., and fortunately obtained the beautiful gavel which I present to the Museum connected with my Alma Mater."

It was voted that hereafter attendance at only one religious service should be required on Sunday, it being left to the Faculty to decide whether that service should be church or morning chapel.

On motion of I. H. W. Wharff a vote of thanks was tendered to the Finance Committee.

ALUMNI ASSOCIATION.—The annual meeting of the Association was held on Tuesday of Commencement week, with Vice-President C. E. Davis in the chair. The following officers were elected for the year 1904-05: *President*, T. E. Hancock, '71; *Vice-Presidents*, C. A. Waldo, '75, A. W. Harris, '80, and C. W. McCormick, '81; *Recording Secretary*, E. B. Van Vleck, '84; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E. Loveland, '89; *Executive Committee*, D. W. Northrop, '68, E. B. Birdsey, '71, E. G. Derby, '83, M. B. Crawford, '74, and W. U. Pearne, '74.

Hon. Stephen H. Olin, '66, was re-elected Alumni Trustee, and Charles Scott, Jr., '86, was elected Alumni Trustee, for a term of five years, commencing in 1905.

M. E. Culver, '75, was elected a member of the Library Committee for the term of three years.

It was voted that the constitution proposed for the Alumni Athletic Association, and printed in the *College Argus* for April 20, 1904, be adopted by the Association. The following officers of the Alumni Athletic Association were elected: *President*, D. L. Robertson, '78; *Vice-President*, J. C. Wells, ex-'88; *Secretary-Treasurer*, A. H. Burdick, '99.

S. V. Coffin, '89, C. H. Judd, '94, and L. E. Gordon, '94, were elected Alumni members of the Athletic Council.

JOINT MEETING OF TRUSTEES AND ALUMNI.—At 11 A. M. on Tuesday of Commencement week the Board of Trustees and the Alumni met in joint session in Memorial Chapel. A portrait of Dr. John Johnston, for forty-two years Professor of Natural Science, was presented by Professor Rice in behalf of the children and grandchildren of Dr. Johnston, and accepted for the Board of Trustees by Dr. S. F. Upham.

A memorial tablet to Professor James Cooke Van Benschoten, the gift of his family, was then unveiled and presented by Professor Winchester. Dr. W. V. Kelley accepted the tablet. This memorial, a bronze tablet attached to a marble background, has been placed on the north wall of the chapel near the seat so long occupied by Professor Van Benschoten. It bears the following inscription: "In memory of James Cooke van Benschoten, for 39 years Professor of Greek in Wesleyan University, A. D. 1863-1902."

NOTES.—On Tuesday afternoon, June 28, Willbur Fisk Hall was formally dedicated. The exercises were brief and simple. Bishop C. D. Foss, '54, read from the Bible and offered prayer. H. C. M. Ingraham, '64, President of the Board of Trustees, presented the keys of the building to President Raymond, who, in accepting the charge, thanked the Alumni and others who had aided in the erection of the new hall. After the exercises the building was thrown open for inspection.

On the same afternoon at a later hour the members of the Alpha Delta Phi fraternity laid the corner-stone of the new house of the Middletown chapter. The exercises included a prayer by the Rev. Francis T. Brown, Yale, '91; an address by A. W. Harris, '80; the laying of the corner-stone by the Chairman of the Building Committee, Waters B. Day, '91, and singing by the fraternity.

THE FINANCES.—The following is a brief statement of the property of the University, according to the most recent appraisal, and of the income and expenditure for the financial year 1903-1904:

Property of the University.

Invested funds, - - - - -	\$1,417,771 01
College buildings and campus, - - - - -	763,265 84
Scientific collections and apparatus, - - - - -	87,600 00
Library, - - - - -	55,000 00
Furniture in various college buildings, - - - - -	13,080 00
Cash, - - - - -	14,835 50
Total, - - - - -	\$2,351,552 35

Receipts from May 31, 1903, to May 31, 1904.

Students' bills,* - - - - -	\$35,918 31
Interest on investments and rents, - - - - -	60,216 20
Women's Dormitory, - - - - -	2,466 40
Commons, - - - - -	4,865 80
Special subscriptions for Tuition, - - - - -	250 00
Special subscriptions for Cyrogenic Laboratory, - - - - -	100 00
Special subscriptions for Dept. of Mathematics, - - - - -	400 00
Special subscriptions for Museum, - - - - -	550 00
Special subscriptions for Current Expenses, - - - - -	3,550 00
Special subscriptions for other purposes, - - - - -	437 05
Wesley Bicentennial Fund, - - - - -	2,975 54
Sale of Wesley Bicentennial Book, - - - - -	666 04
Miscellaneous, - - - - -	1,600 33
Loans on account of Income, - - - - -	49,000 00
Total, - - - - -	\$162,995 67

* Inclusive of \$11,835.25 tuition remitted.

Expenditures from May 31, 1903, to May 31, 1904.

Salaries, - - - - -	\$62,000 00
Fuel, light, water, insurance, - - - - -	10,987 77
Janitorial service, - - - - -	4,236 37
Repairs and improvements, - - - - -	3,156 80
Women's Dormitory, - - - - -	4,052 40
Commons, - - - - -	4,557 11
Department Appropriations, - - - - -	2,927 75
Library and Reading Room, - - - - -	2,217 06
Museum, - - - - -	605 74
Cyrogenic Laboratory, - - - - -	380 23
Machine Shop, - - - - -	411 74
Gymnasium, - - - - -	260 37
Aid to students—tuition, - - - - -	11,835 25
Interest, - - - - -	2,628 39
Printing, postage, catalogues, bulletins, etc., -	3,691 78
Wesley Bicentennial expenses, - - - - -	9,699 71
Miscellaneous, secretarial assistance, Commence- ment expenses, prizes, etc., - - - - -	4,764 08
Balance due May 30, 1903, - - - - -	26,743 25
Balance on hand, against Loans, May 31, 1904, -	7,839 87
Total, - - - - -	\$162,995 67

LIBRARY ACCOUNT.

Receipts.

Income of Alumni Library Endowment, - -	\$1,512 29
Income of Hunt Library Endowment, - - -	1,440 00
Income of Wilcox Library Endowment, - -	550 00
Balance on hand May 30, 1903, - - - -	507 29
Total, - - - - -	\$4,009,58

Expenditures.

Librarian's bills, - - - - -	\$2,883 29
Balance on hand May 31, 1903, - - - -	1,126 29
Total, - - - - -	\$4,009 58

SCHOLARSHIP FUNDS AND ANNUITIES.

Receipts.

Income from Scholarship Funds, - - - -	\$592 50
Interest on Annuity Funds, - - - - -	3,837 44
Total, - - - - -	\$4,429 94

Expenditures.

Payments to Scholars, - - - - -	\$475 00
Balance on hand of Scholarship Funds, May 31, 1904, - - - -	117 50
Paid Annuities, - - - - -	3,662 50
Added to Daniel Wise Fund, - - - - -	174 94
Total, - - - - -	\$4,429 94

APPOINTMENT TO THE FACULTY.

BURTON HOWARD CAMP, elected Instructor in Mathematics, was graduated from Wesleyan University in 1901 with the degree of B. A. The next year he taught Mathematics and Physics in Oak Grove Seminary, Vassalboro, Me. The year following he was a student at Harvard University, and last year Instructor in Mathematics at the Massachusetts Institute of Technology.

DEPARTMENTAL NOTES.

ROMANCE LANGUAGES.—Course VI., the French Seminary, has been extended from one to two hours a week.

ENGLISH LITERATURE.—The subject for the advanced class in this department, English Literature IV., for the present year is the New England School of Literature, 1835-1885. This course is given this year for the first time.

PHILOSOPHY.—The Psychological Laboratory was moved during the summer into the rooms assigned to it in Fisk Hall. The new accommodations are adapted to general undergraduate work and to research. They consist of a large demonstration and lecture room, a research laboratory, a physiological dark room, and a construction and apparatus room. The research laboratory and lecture room are provided with light-proof shutters for experiments requiring dark adaptation; and all the rooms are provided with electrical connections of the most approved sort. A considerable quantity of general laboratory fittings has been

added to the equipment of the laboratory, and some of the special apparatus needed has been provided. The photographic registering apparatus has been remodeled and adapted to quantitative studies, now under way, of the relation between sensory and motor processes.

BIOLOGY.—From a special appropriation made by the Board of Trustees a considerable amount of apparatus and illustrative material has been recently purchased. This includes models illustrating human anatomy, preparations of fragile animals for class demonstration, and microscopes for bacteriological work.

During the past summer Mr. Loper has arranged for the general public and for biological students a special collection of New England birds. This collection includes mounted specimens of nearly all New England birds, and of all common birds of this vicinity. It is located in the hallway leading to the Biological laboratories and in a position to be most accessible to all students of the department.

Professor Conn has been engaged during the last year, and especially during the summer, in work upon the Protozoa of the fresh waters of Connecticut, as part of the work of the State Geological and Natural History Survey. A preliminary report containing over 300 figures illustrating most of the species found in the waters in the vicinity of Middletown is about ready for publication. A second report upon the Algae of Connecticut waters will be published later in the year, conjointly by Professor Conn and Miss Lucia W. Hazen.

RECENT GIFTS.

Since the report made in the BULLETIN for November, 1903, the following gifts have been received:

Subscriptions to the Twentieth Century Fund have been paid in to the amount of \$17,544.28, to which should be added \$357.88 of accrued interest. These payments raise the total amount of funds applicable to the erection of Willbur Fisk Hall to \$98,122.76.

Mr. Charles Scott has paid \$20,000 and Mr. Charles Scott, Jr., has paid \$10,000 on account of the John Bell Scott Memorial Laboratory, making their total gifts to date for the building \$95,000.

The sum of \$2,653.50 has been received from the alumni on subscriptions to the Wesley Bicentennial Fund. Mr. Philip Reynolds of Brockton, Massachusetts, has given \$1,000 to found a scholarship, \$500 has been paid in for the Billings Scholarship Fund, and \$200 has been added to the Starks Scholarship. Subscriptions for tuition have been received to the amount of \$525.

The bequest of \$20,000 for the Library endowment from the estate of Mrs. Harriet W. Wilcox has been paid in. Special gifts of \$400 for the Department of Mathematics, of \$550 for the Museum and \$1,300 for the Cryogenic Laboratory, besides some smaller gifts, have been paid in. Further recognition of gifts to the Library and Museum will be found elsewhere in this BULLETIN.

Subscriptions for the current expenses have been paid in during the year to the amount of \$6,124.

LIBRARY.

Mrs. Harriet W. Wilcox, of Brooklyn, N. Y., who died in 1901, left \$20,000 to the University as an endowment for the Library, the income of the fund to be spent in the purchase of books. The executors of her estate have recently paid to the treasurer of the University \$20,000, with interest for six months. The total endowment of the Library is now \$85,379.

Through the efforts of Hon. W. U. Pearne, '74, Hon. George L. Lilley, of Waterbury, representative-at-large from the State of Connecticut, has made the Wesleyan Library a designated depository for public documents. The Library has already a large and valuable collection of United States documents. As a result of this designation the important publications of the national government will be received regularly and promptly.

The number of volumes added to the Library from June 1, 1903, to May 31, 1904, was 2,426. They were obtained as follows: By purchase, 868; by binding periodicals and pamphlets, 257; by exchange, 13; by gift, 1,340. Deducting 52 volumes, exchanged, sold, or lost, there remains a net addition of 2,426 volumes. The total number of volumes in the Library at the present time is 66,000.

From June 1, 1903, to May 31, 1904, 6,224 books and periodicals were drawn from the Library for home use. In addition, 658 volumes were withdrawn from general circulation and reserved for special use either in the Library or in seminary rooms.

There have been presented to the Library during the year ending April 30, 1904, 1,911 bound volumes, 6,334 pamphlets and numbers of periodicals, 83 maps, and 20 photographs. In addition, 40 periodicals have been received regularly as gifts.

The family of the late Rev. S. M. Stiles, '60, has presented to the University 455 bound volumes and 737 pamphlets from his library. Another important gift received during the year is a set of the *Allgemeine*

deutsche Biographie, in 47 volumes, presented by the Connecticut Gamma of Phi Beta Kappa. Other principal donors were the United States Government, the State Libraries of Connecticut, Maine, and New York, the New York State Historian, the Field Columbian Museum, the Kansas Academy of Sciences, and the following individuals: John Bentley, Mrs. J. H. Butler, W. H. Clemons, '02, S. V. Coffin, '89, Prof. H. W. Conn, Prof. M. B. Crawford, '74, W. F. Dearborn, '00, Mrs. W. N. Hill, Hon. W. P. Hubbard, '63, Prof. J. M. Paton, Rev. E. M. Pickop, Hon. O. H. Platt, Harlow Raymond, B. A. Rich, '78, W. C. Sharpe, Hon. N. D. Sperry.

THE MUSEUM.

Arrangements have been made for the purchase of Mr. S. Ward Loper's ethnological collection, numbering more than four hundred specimens. Among them is a small but choice collection of neolithic relics from Denmark. The majority of the specimens are the work of the American Indians. Many of them are from the vicinity of Middletown, and are on that account especially desirable for the Museum. The collection has already been placed in the Museum. The price to be paid is \$400, and Professor Rice has undertaken to solicit the money.

The mineralogical collection purchased from Mrs. E. F. Sheldon in 1902 for \$550 has been paid for. The securing of the subscription for the purchase of this collection is one of the many benefactions for which the Museum is indebted to Hon. A. R. Crittenden. Mr. Crittenden contributed \$100 himself, and obtained the remainder by his solicitation. The list of the other contributors is as follows: William W. Wilcox, Mrs. William W. Wilcox, George A. Coles, Frank B. Weeks, James H. Bunce, George T. Meech, O. E. Stoddard, William W. Wilcox, Jr., James H. Bunce, Jr., Miss S. Elizabeth Kilbourn, R. L. de Zeng, H. C. Whittlesey, M. W. Terrill, Mrs. A. R. Crittenden, William Wilcox, Middletown Scientific Association.

A valuable collection of Cretaceous fossils from Texas has been obtained by exchange from Marshall R. Gaines, A. M., President of Tillotson College. The collection includes about two hundred specimens. With these fossils came also a collection of Indian implements and chipped flints from the same region.

During the summer vacation Mr. Loper worked for some time on the bed of black shales in Durham ("arterior black shale" of Davis and Loper) which has yielded numerous fossils in former years. The result of the work done in the past summer was the acquisition of a collection of one hundred and sixty specimens of fishes and plants, many of which are remarkably perfect.

CLASS.

RECENT COLLEGE APPOINTMENTS.

1887. Herbert Welch, President (elect), Ohio Wesleyan University.
1889. Fred Morgan Davenport, Acting Professor of Sociology, Economics, and Politics, Hamilton College.
1894. Charles Hubbard Judd, Assistant Professor of Psychology, Yale University.
1894. Frederick Curry Ostrander, Lecturer in Romance Languages and Literatures, Columbia University.
1895. Edward Lee Thorndike, Professor of Educational Psychology, Teachers' College, Columbia University.
1900. Harry Torsey Baker, Professor of the English Language and Literature, University of Southern California.
1900. Walter Fenno Dearborn, Fellow in Educational Psychology, Teachers' College, Columbia University.
1900. Charles Earl Johnston, Instructor in Insurance, Yale University.
1901. Burton Howard Camp, Instructor in Mathematics, Wesleyan University.
1902. William Harry Clemons, Instructor in English, Princeton University.
1902. Clarence Albert Pierce, Assistant in Physics, Cornell University.
1902. Everett Lynn Thorndike, University Fellow in European History, Columbia University.
1902. Ernestine Rose, Assistant Librarian, Wesleyan University.
1903. George Franklin Strong, Librarian, University of North Dakota.
1904. Samuel Foss Holmes, Assistant in English, Wesleyan University.
-
1902. Miranda Belle Sperry, M. S., Associate Professor of English, Cornell College.

CALENDAR.

1904.

- Sept. 29. Thursday, 9:00 A. M.—College year began.
Nov. 23. Wednesday, 12 M.—Thanksgiving recess began.
Nov. 27. Sunday, 9:00 A. M.—First chapel exercise after the close of the Thanksgiving recess.
Dec. 7. Wednesday, 2:30 P. M.—Dedication of the John Bell Scott Memorial Laboratory of Physics.
Dec. 23. Friday, 12:00 M.—Christmas recess will begin.

1905.

- Jan. 4. Wednesday, 7:52 A. M.—Christmas recess will end.
Jan. 26. Thursday,—Day of Prayer for Colleges.
Feb. 8. Wednesday,—Feb. 21, Tuesday,—Mid-year examinations.
Feb. 22. Wednesday,—Washington's Birthday.—a holiday.
April 19. Wednesday, 12:00 M.,—Spring recess will begin.
April 25. Tuesday, 7:52 A. M.,—Spring recess will end.
May 11. Thursday,—Junior Exhibition.
May 30. Tuesday,—Memorial Day.—a holiday.
June 28. Wednesday,—COMMENCEMENT.

— THE —

WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

MAY, 1905.—No. 36.

THERE is reason to fear that the graduates and friends of the University have not fully realized that there has been for several years a serious annual financial deficit. The Trustees and others have generously endeavored to make good this annual drain, but the present condition of affairs can hardly be expected to go on indefinitely. There has come the time, in the judgment of those most intimately concerned in the management of the affairs of the institution, when there should be a frank statement of the situation.

The property of the University amounts, all told, to \$2,359,392.22. Of this, \$1,440,446.38 is in invested funds. Undoubtedly, this is a considerable sum, and if the University were smaller and the demands of education were simpler than they now are, there would be no need of the present appeal. But trust-funds cannot be safely invested to-day so as to yield large returns, and the endowment must be proportionally increased to make good the shrinkage in rates of interest. It must be remembered, too, that the institution has expanded to meet modern conditions. It has been compelled to add largely to the Faculty and to provide modern equipment. All this has been unavoidable, but it has required large sums of money. There is, it is safe to say, no desire on the part of friends of the University to go back to the old state of things. That is, of course, out of the question. But to advance, or even to maintain our present status, makes imperative a very considerable increase in the endowment. At present rates of interest the income of \$300,000 additional endowment would barely make it possible to meet the annual deficit. But to maintain the relative standing of Wesleyan among institutions of its own class, there must in the near future be an addition of not less than a million of dollars to the present endowment.

Plans are in process of formulation for the celebration of the seventy-fifth anniversary of the founding of the University. It is intended to make this a peculiarly Wesleyan affair, with a special appeal to all alumni and all former students, whether graduates or not, to be present. Such an occasion will afford an unusual opportunity for renewing old associations and for getting a view at first hand of the present status of the institution. The changes that a few years have brought will surprise even those who have kept somewhat in touch with the more recent advances. Those who have not returned for fifteen or twenty years—and there are such—will see great changes in more than one familiar corner. They will find many new faces among the Faculty, along with some old ones, but they will realize, it is hoped, that Wesleyan has endeavored to be true to the traditions of scholarship and of character that were the boast of earlier days, and may with confidence look toward a future of wider usefulness on a still higher plane.

Although there was a very large attendance of the alumni during Commencement Week two years ago because of the Wesley Bi-Centennial, and although a large attendance is expected for the celebration next year, it is hoped that the alumni will remember that it is important that there should be a large attendance at every Commencement. This year there will be reunions of the classes of '55, '80, '90, '95, '98, and '02; members of these classes are urged to be present, and it is hoped that as many other alumni as can will arrange to come this year.

There are now in existence a considerable number of Wesleyan University Clubs in various parts of the country. Their aim is to bring together in cordial social relations the graduates of the University within a given district and to keep them informed about the work and the needs of the institution. These clubs have doubtless done much good work in the past, but their usefulness might be greatly increased if they were somewhat more thoroughly organized. Such clubs could be of great service in acquainting young men who are looking toward a college education of the advantages that Wesleyan offers. Single

graduates, unaided, have often turned the attention of students toward Wesleyan, and this might be done far oftener than is now the case; but what is needed is a permanent organization in every community that we can reach which shall aim in all legitimate ways to keep the claims of Wesleyan before the public. The details of organization do not belong here, but the various clubs might well be patterned on a common type. There is, at all events, no reason why any community having a half-dozen Wesleyan graduates should not organize a Club as a center for the surrounding territory and hold at least two or three meetings every year.

After an honorable service of several years in the Department of Greek at Wesleyan, Associate Professor James M. Paton has resigned, with a view to carrying out extended plans of study in Europe. It is needless to say that Dr. Paton carries with him the sincere good wishes of his former students and Faculty associates, and that the value of his services to Wesleyan during his connection with the institution is cordially recognized.

DANIEL HENRY CHASE, LL. D.

Daniel Henry Chase, the first man to receive a degree from Wesleyan University, closed his long, useful, and respected life on the morning of Monday, May 15, 1905. Probably no man was more familiar to the whole body of Wesleyan Alumni than Dr. Chase. He had resided in Middletown continuously, save for two years' absence in Europe, for over seventy years, and his venerable figure was sure to be seen at every public meeting held by the college. He had entered his ninety-second year, and his continued health, up to a month before his death, had led him and all his friends to hope that he might be present at the seventy-fifth anniversary of the founding of the college in 1906; for his vigor both of mind and body, quite down to the last days of his life was most remarkable. Through the severe weather of the past winter, he might often have been seen upon the street, with a hale and energetic manner that belied his years; he attended the fortnightly meetings of a Club for the discussion of scholarly and practical subjects regularly till within three weeks of his death, and his friends saw no diminution of the clearness of his opinions or the vigor with which he was used to defend them.

Dr. Chase taught in Wesleyan University for two years after his graduation, and then, in 1835, opened in Middletown a school primarily for the preparation of boys for college. The enterprise was immediately successful, and "The Middletown Institute,"—or, as it soon came to be more familiarly known, "Dr. Chase's School,"—was for many years one of the most useful schools of the state. In 1870 a severe accident temporarily incapacitated him for teaching, and decided him to close his school. But he recovered his health after a year or two, and thereafter lived a life of studious retirement, though taking an active interest in all matters of public concern, in city, state, or nation. He followed with keen interest the course of philosophic and scientific thought, and if he did not always accept the conclusions of modern scholars, he was always able to defend most vigorously his own dissent. He was, indeed, a sturdy and independent thinker, and nothing pleased him better than to have a tilt at what he deemed some modern heresy of science or theology. But his temper was liberal, and his Christian devotion most beautiful.

The degree of LL. D. was conferred upon him by his Alma Mater in 1856; and from 1862 to 1877 he was a trustee of Wesleyan University.

Wesleyan University had no more loyal alumnus, and none whose presence in the old college town will be more missed. He carried with him to the grave a store of memories of the earliest days of the college such as no man now living can recall.

THE SEVENTY-FIFTH ANNIVERSARY OF WESLEYAN UNIVERSITY.

A committee of three Trustees, three members of the Faculty, and three representatives of the Alumni was authorized by the Trustees of the University at their recent meeting to arrange for the appropriate commemoration during Commencement Week in 1906 of the seventy-fifth anniversary of the founding of the University. The following persons have been chosen as members of this committee: President B. P. Raymond, Rev. E. M. Mills, D. D., '72, and C. L. Rockwell; Professor M. B. Crawford, '74, Professor H. W. Conn, and W. J. James, '83; and J. C. Clark, '86, W. B. Day, '91, and W. B. Wilson, '00.

It is intended to make this a distinctively Wesleyan celebration, in which it is hoped that there may be the fullest possible participation of the Alumni and other former students of the University.

DEDICATION OF THE JOHN BELL SCOTT MEMORIAL.

The John Bell Scott Memorial was dedicated as a Laboratory of Physical Science on December 7, 1904. It is the gift of the late Charles Scott of Philadelphia, Trustee of Wesleyan University from 1880 till his death in 1904, and of Charles Scott, Jr., of the class of 1886, in memory of John Bell Scott of the class of 1881, who died from disease contracted while serving as Chaplain on the United States Cruiser *St. Paul* during the Spanish-American war.

The exercises preliminary to the dedication proper took place in Memorial Chapel, and consisted of an address by Edward B. Rosa, Ph. D., '86, preceded by the reading of scripture and prayer by the Reverend David G. Downey, D. D., '84, and the singing of a hymn written for the occasion by Louis J. Magee, '85. Doctor Rosa is Physicist of the National Bureau of Standards, and his subject was, "The National Bureau of Standards and its Relation to Scientific and Technical Laboratories."

The exercises attending the actual dedication were held in the main lecture-room of the new building, and consisted of an address of presentation by H. C. M. Ingraham, LL. D., '64, on behalf of the Building Committee, a response by President Raymond, the singing of Professor Winchester's hymn, "The Lord our God alone is strong" (written for the dedication of Judd Hall), and a scripture reading and prayer of dedication by Bishop Edward G. Andrews, D. D., LL. D., '47.

After the dedication an informal reception was held in one of the rooms of the Laboratory, and the building was thrown open for inspection. Many invited guests were present, among them being instructors in Physics from other colleges in New England and a large delegation of the class of 1881, of which Mr. John Bell Scott was a member.

The new Physical Laboratory was opened for classes at the beginning of the winter term, early in January of the current year, and most of the apparatus belonging to the department has been installed and is now in use. The building proves to be as convenient and serviceable in the interior as it is beautiful and imposing in its external appearance.

TRUSTEE MEETING.

A Special Meeting of the Board of Trustees was held March 30, 1905, at 2:00 P. M., in New York, President H. C. M. Ingraham in the chair.

A report on the general financial situation was read by President Raymond. He also presented the following nominations for positions on the Faculty, and the nominations were confirmed:—

Arthur H. Harrop, M. A., to be Instructor in Greek for the rest of the present year.

Leroy A. Howland, B. A., to be Instructor in Mathematics for one year.

Howard Reiter, B. A., to be Director of the Gymnasium for one year.

Rev. Isaac L. Wood, the Financial Secretary of the University, was introduced and read a report concerning his work. The following minute was unanimously adopted:

The Board of Trustees of Wesleyan University has listened with interest to the Report of the Rev. Isaac L. Wood, Financial Secretary of the University. Recognizing fully the delicacy and difficulty of the task committed to him, the Board feels that the success of Mr. Wood in securing a sum aggregating one hundred eighty-three thousand, one hundred and five dollars (\$183,105.00) for the general funds of the University, is worthy of the highest commendation. We hereby express our appreciation of the zealous, energetic and successful efforts of Mr. Wood, and we wish for him the highest success in his return to the work of the pastorate to which he feels himself called.

It was voted that a fee, of an amount to be determined later, be charged hereafter, before a course of study be given to a candidate for the master's degree.

The Trustees authorized the appointment of a Joint Committee to arrange for a suitable commemoration of the seventy-fifth anniversary of the founding of the University, the Committee to consist of three members each from the Trustees, Faculty, and Alumni. President Ingraham appointed as the persons to represent the Trustees on this Joint Committee: B. P. Raymond, C. L. Rockwell, E. M. Mills.

George S. Coleman for the Committee on Charter and By-Laws presented a report recommending the following changes:

An amendment in Section 7 of the Charter for the purpose of transferring from the Charter to the By-Laws the requirement that honorary degrees should be approved by the Faculty.

An amendment in Section 2, Act of 1878, so that all meetings of the Board, except the Annual Meeting, may be held in New York City.

These changes were approved, and W. U. Pearne was requested to present the matter to the Connecticut Legislature at the present session.

Various committees were appointed, several honorary degrees were voted, and the Board adjourned.

APPOINTMENTS TO THE FACULTY.

ARTHUR HENRY HARROP, was elected Instructor in Greek to conduct Professor Paton's classes during the second half of the college year. He was graduated from Ohio Wesleyan University in 1894 with the degree

of B. A. and received the degree of M. A. from the same institution in 1896. From 1894 to 1901 he was Professor of Greek and Latin in Union College, Barbourville, Kentucky; in Ashland College, Ashland, Kentucky, and in Missouri Wesleyan College, Cameron, Missouri. Mr. Harrop was a graduate student in Harvard University from 1901 to 1904 and received the degree of M. A. in 1903, and continued his studies in Boston University in 1904-5. He has accepted the chair of Latin in the University of Denver for next year.

EVERT MORDECAI CLARK was appointed Instructor in Mathematics for the winter term of the present year owing to the illness of Mr. Camp. He was graduated from the National Normal School, Lebanon, Ohio, with the degree of B. A., and after teaching Greek and Mathematics in the East Texas Normal College, Commerce, Texas, entered Yale University in 1904 to pursue graduate studies.

BERNARD CAPEN EWER, who was appointed Instructor in Mathematics for the spring term of the current year, received the degree of B. A. from Brown University in 1899, and of M. A. in 1900. For two years he continued his studies at Brown University and then entered Harvard University, from which he received the degree of Ph. D. in the Department of Philosophy in 1904. During 1902-3 he was Instructor in Philosophy in Brown University; during 1903-4 Assistant in Philosophy in Harvard University, and during 1904-5 Instructor in Mathematics in the Mount Hermon School. Mr. Ewer has published *The Idea of Possibility* in the *Journal of Philosophy, Psychology and Scientific Methods*, January, 1905. He has been appointed Instructor in Philosophy in Northwestern University for the ensuing year.

FREDERICK ABBOTT, who conducts the Frederick Abbott Studio of Dramatic expression and Speech Arts in the Carnegie Hall, New York City, has been secured for the present semester to take charge of the exercises in declamation and oratory.

DEPARTMENT NOTES.

ENGLISH LANGUAGE.—A new course in the sources and history of the Arthurian Romances will be offered next year. This will include class readings in some of the better known forms of Arthurian story, such as Tennyson's *Idylls of the King*, Swinburne's *Tale of Balen*, and their sources, and lectures on the older literature that furnished material to Tennyson and other modern poets. This course will be elective for Juniors, and will count as two hours a week.

COURSE III., the introductory course in Old English (Anglo-Saxon), will be modified next year by the addition of a lecture once a week explaining in detail the relations of the Old English language to Modern English. The principal reading will be based upon Bright's edition of *The Gospel of St. John in West Saxon*. The grammar will be drawn from Cook's *First Book in Old English*, with copious illustrations and explanations based upon the texts read. This course will count as three hours a week for the first half year, and will be elective for Sophomores.

The course during the second half-year (Course IV.) will also be increased to three hours a week by the addition of a lecture once a week.

The course in Chaucer will not be given next year.

ROMANCE LANGUAGES.—Course VI., the French Seminary, will be omitted next year. Its place will be taken by Course V., which will meet twice a week hereafter. The work for next year will consist in the translation of Old French texts, and in the study of Old French literature with especial reference to its influence on the literatures of the other nations of western Europe. Lectures, collateral readings and reports will form part of the work. The instructor would like to receive before Commencement the names of those who intend to elect Course V.

Course VII. in elementary Italian will be given next year.

PHYSICS.—Course VIII. will be increased from two to three hours a week, and will be a general course in applied electricity including both direct and alternating currents, thus practically combining former Courses VIII. and XIII. The latter course will not be given in 1905-06.

FACULTY LECTURES AND PUBLICATIONS.

PROFESSOR RICE.—*Lectures*.—The Classification of Mountains. International Geographic Congress, Washington, September 10, 1904. To be published in *Comptes Rendus* of the Congress.

The Volcanic Region of Central France. Vassar College, Poughkeepsie, New York, January 13, 1905.

The Return to Faith. New York East Conference of the Methodist Episcopal Church, Waterbury, Connecticut, April 6, 1905.

Publication.—First Biennial Report of the Commissioners of the State Geological and Natural History Survey of Connecticut. Pp. 18. 1904.

PROFESSOR ATWATER.—*Lectures*.—Nutrition Investigations of the United States Department of Agriculture. British Association for the Advancement of Science, Cambridge, England, August 23, 1904.

A Respiration Calorimeter with Appliances for the Direct Determination of Oxygen. Sixth International Congress of Physiologists, Brussels, Belgium, August 30, 1904.

The Nutritive Value of the Milling Products of Wheat and other Cereals. Meeting of the Directors of the Millers' National Federation, St. Louis, Missouri, October 27, 1904.

Publications.—Neue Versuche über Stoff- und Kraftwechsel im menschlichen Körper. *Ergebnisse der Physiologie*, volume 3, number 1, 1904.

Experiments on the Digestibility of Cereal Breakfast Foods. *Sixteenth Annual Report of the Storrs Agricultural Experiment Station*, 1904, pp. 180-209.

A Respiration Calorimeter with Appliances for the Direct Determination of Oxygen [with F. G. Benedict]. Brochure printed for private distribution at the Sixth International Congress of Physiologists, Brussels, Belgium. Pp. 24. [Middletown, 1904.]

PROFESSOR WINCHESTER.—*Lectures.*—University of Maine, Orono, Maine, November 3, 1904.

Three lectures. Teachers' Association, Indianapolis, Indiana, February 13-16, 1905.

One lecture. Teachers' Association, Evansville, Indiana, February 17, 1905.

One lecture. Butler College, Indianapolis, Indiana, February 18, 1905.

One lecture. Hartford Theological Seminary, February 21, 1905.

Several lectures in other towns and cities.

PROFESSOR CONN.—*Lectures.*—Our Common Molds. Storrs Agricultural College, Storrs, Connecticut, July, 1904; Bridgeport Scientific Association, Bridgeport, Connecticut, January 16, 1905; Woman's Club, Brooklyn, New York, March 13, 1905; and at several preparatory schools in New England.

The Fresh Water Protozoa. Brooklyn Institute of Arts and Sciences, Brooklyn, New York, March 13, 1905.

Publications.—Contributions of Bacteriology to Social Welfare. *The Chautauquan*, September and October, 1904.

The Effect of Different Temperatures in Determining the Species of Bacteria which Grow in Milk [with W. M. Esten]. *Sixteenth Annual Report of the Storrs Agricultural Experiment Station*, 1904, pp. 27-88.

The Camembert Type of Soft Cheese in the United States [with C. Thom, A. W. Bosworth, W. A. Stocking, Jr., and T. W. Issajeff]. *Bulletin Number 35, Storrs Agricultural Experiment Station*, April, 1905. Pp. 32.

A Preliminary Report of the Protozoa of the Fresh Waters of Connecticut. *Bulletin Number 2 of the State Geological and Natural History Survey of Connecticut*. 1905. Pp. 69; 34 plates.

Introductory Physiology and Hygiene. Pp. 152. Silver, Burdett & Company, Boston, 1904.

PROFESSOR ARMSTRONG.—*Lecture*.—Chairman's Introductory Remarks, Section of Metaphysics, International Congress of Arts and Science, St. Louis, Missouri, September 21, 1904.

Publications.—Contributions to the fifth edition of Falckenberg's *Geschichte der neueren Philosophie*. Veit & Co., Leipzig, 1905.

Review of Sanger's *Kants Lehre vom Glauben*. *Journal of Philosophy, Psychology and Scientific Methods*, August 18, 1904.

Review of Merz's *History of European Thought in the Nineteenth Century*, volume II., *Philosophical Review*, September, 1904.

Review of Van Becelaere's *La Philosophie en Amrique*. *Philosophical Review*, November, 1904.

Review of Eucken's *Geistige Stromungen der Gegenwart*. *Philosophical Review*, May, 1905.

PROFESSOR MEAD.—*Lecture*.—Some Moorish Cities of Spain. Parish House of Holy Trinity Church, Middletown, Connecticut, December 13, 1904.

The Robin Hood Ballads, Teachers' Institute, Brooklyn, New York, January 20, 1905.

MR. JAMES.—*Lecture*.—Bibliography. Connecticut Library Association, New London, Connecticut, November 10, 1904.

PROFESSOR BRADLEY.—*Lecture*.—Liquid Air. Delivered in five places.

Publications.—The Effect of Mechanical Vibration upon Carbon Dioxide near the Critical Temperature [with A. W. Browne and C. F. Hale]. *Physical Review*, volume 19, pp. 258-272, October, 1904.

Test of the Liquid Air Plant at Wesleyan University [with A. W. Rowe]. *Physical Review*, volume 19, pp. 330-343, November, 1904.

Distribution of Temperature in an Air Liquefier of the Single-Circuit Type [with C. F. Hale]. *Physical Review*, volume 19, pp. 387-395, December, 1904.

PROFESSOR KUHNS.—*Lectures*.—Literature and Religion. First Methodist Episcopal Church, Middletown, Connecticut, January 15, 1905.

Address. Methodist Social Union of Central Connecticut, Hartford, Connecticut, January 27, 1905.

Publications.—Marguerite's *Strasbourg*, edited with vocabulary and notes. Pp. 237. Henry Holt & Company, New York, 1905.

Chateaubriand's *Atala*, edited with notes and vocabulary. Pp. 120. D. C. Heath & Company, Boston, 1905.

The Religious Life of Italy and Switzerland—A Contrast. *Methodist Review*, January-February, 1905.

PROFESSOR E. B. VAN VLECK.—*Lecture*.—Some Theorems on Point-wise Discontinuous Functions. American Mathematical Society, New York, October 29, 1904. Supplementary Note, April 30, 1905.

Publication.—Selected Topics on the Theory of Divergent Series and of Continued Fractions. *Colloquium of the American Mathematical Society, Boston, September 2-5, 1903*, pp. 75-187. The Macmillan Company, New York, 1904.

PROFESSOR CHASE.—*Publications*.—Cape Cod Dialect, part 2. *Dialect Notes*, volume 2, part 6, pp. 423-429, 1904.

PROFESSOR BENEDICT.—*Publication*.—The Determination of Water in Foods and Physiological Preparations [with Charlotte R. Manning]. *American Journal of Physiology*, volume 13, number 3, April, 1905.

PROFESSOR DODGE.—*Lectures*.—The Effect of Eccentric Visual Stimulation on Fixation. American Psychological Association, Philadelphia, Pennsylvania, December 30, 1904. Published in part in the *Psychological Bulletin*, February 15, 1905.

Central Anaesthesia during Eye Movement. Section of Psychology and Anthropology, New York Academy of Sciences, New Haven, Connecticut, March 27, 1905.

Publications.—Review of Sherrington's On Binocular Flicker and the Correlation of Activity of Corresponding Retinal Points. *Psychological Bulletin*, January 15, 1905.

Review of McDougall's The Sensation Excited by a Single Momentary Stimulation of the Eye. *Psychological Bulletin*, January 15, 1905.

PROFESSOR CADY.—*Publication*.—A Direct-Recording Magnetic Variometer. *Terrestrial Magnetism and Atmospheric Electricity*, June, 1904.

PROFESSOR FIFE.—*Lectures*.—The Story of Goethe's Faust. Troy Conference Academy, Poultney, Vermont, February 13, 1905; Genesee Wesleyan Seminary, Lima, New York, February 15, 1905.

Luther's Century. Cazenovia Seminary, Cazenovia, New York, February 17, 1905.

Publications.—The Vestry Book of King William Parish, Virginia, translated from the French and annotated, parts 3, 4, 5. *Virginia Magazine of History and Biography*, volume 12, numbers 1, 3 and 4, July, 1904, January and April, 1905.

Review of W. P. Bigelow's edition of Wagner's Meistersinger von Nürnberg. *Modern Language Notes*, March, 1905.

PROFESSOR DUTCHER.—*Publications*.—Review of Mathiez's *La Théophilanthropie et le Culte Décadaire, 1796-1801*. *American Historical Review*, October, 1904.

Review of Mathiez's *Les Origines des Cultes Révolutionnaires, 1789-1792*. *American Historical Review*, January, 1905.

Review of Boulay de la Meurthe's *Correspondance du Duc d'Enghien, 1801-1804*, volume I. *American Historical Review*, January, 1905.

ADDRESSES BEFORE THE UNIVERSITY.

The annual sermon on the Day of Prayer for Colleges, January 26, 1905, was preached in Memorial Chapel by the Reverend Professor William North Rice.

The following lectures have been given in Memorial Chapel during the current college year:

1904.

Nov. 12. Dr. A. S. Cooley, Auburndale, Mass.: *A Journey through Greece* (illustrated).

Dec. 12. Professor Dutcher: *Russia and the Eastern Question*.

1905.

Feb. 28. Professor Chase: *The Father of Modern History*.

March 9. Professor Fife: *Schiller and the Twentieth Century*.

March 23. Professor Kuhns: *Saint Francis of Assisi*.

April 13. Professor Rice: *The Grand Cañon of the Colorado* (illustrated).

APOSTLES' CLUB.

1904.

Oct. 21. Professor Mead: *Some Aspects of Modern Spain*.

Nov. 10. Professor Winchester: *The Making of a Hymnal*.

Dec. 9. Professor Fisher: *The Recent Growth of Socialism*.

1905.

Jan. 13. Professors Paton, Dodge and Dutcher: *Reports from the holiday meetings of learned societies*.

Feb. 7. Professor Nicolson: *The Present Status of the Classics in American Colleges*.

March 10. Mr. James: *A History of the Wesleyan University Library*.

April 14. Mr. Super: *The Writings of Cervantes*.

May 19. Professor Fife: *Modern German Lyrics*.

MIDDLETOWN SCIENTIFIC ASSOCIATION.

- President*, PROFESSOR F. G. BENEDICT. *Secretary*, MR. W. M. ESTEN.
- June 13. Professor Cady: The Magnet on which We Live.
- Oct. 11. Professor Lafayette B. Mendel, Yale University: Work and Weariness.
- Nov. 8. Professor Conn: The Relation of Fresh Water Algæ to the Tastes and Odors of Public Water Supplies.
 Professor Atwater: Experiments in the Respiration Calorimeter to Measure the Power of the Body to Transform the Energy of Food into Muscular Work.
 Doctor Kate C. Mead, Middletown: The Use of Roentgen Rays in Brain Photography.
- Dec. 13. Mr. A. L. Winton, Yale University: Adulterated Foods.
- Jan. 24. Professor Conn: Have we Outgrown Darwinism?
- March 14. Doctor A. Ross Diefendorf, Middletown: Some Recent Advances in the Treatment of Insanity.
- April 11. Professor Cady: Recent Progress in the Study of the Electric Arc.
 Professor Conn: The Scientific Manufacture of Camembert Cheese.
- May 9. Professor Rice: The Excursion of the International Geographic Congress from St. Louis to Mexico.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY.

- Oct. 4. Professor James Ward, Cambridge University, England: Faith and Science.
- Jan. 17. Professor W. M. Urban, Trinity College, Hartford: Experimental Metaphysics.
- April 4. Doctor A. L. Jones, Columbia University: Recent Developments in Æsthetic Theory.

RECENT GIFTS.

Since the report made in the BULLETIN for November, 1904, the following gifts have been received:—

Mr. Charles Scott has paid \$4,000, and Mr. Charles Scott, Jr., has paid \$5,000 on account of the Scott Memorial Laboratory, making their total gifts to date for the building, \$104,000.

From the Fayerweather estate an additional sum of \$5,000 has been received. Mr. Cyrus D. Jones has given \$5,000 for purposes not yet designated, and Mr. Cephas B. Rogers has given securities having a par value of \$5,000. In addition, subscriptions for current expenses aggregate \$13,680.

Mr. Wm. Connell has given securities to the amount of \$3,000 for a Connell Scholarship fund, and Mr. Philip Reynolds and Mr. W. P. Billings have added \$500 each, and Mrs. E. B. Starks has added \$100 to the scholarship funds previously given by them. By the will of Mrs. Helen E. Ackley, a trust fund of \$2,000 has been established, the income of which is given to Wesleyan University for the benefit of women students.

The sum of \$8,000 in life insurance and real estate has been received from Rev. J. T. Pettee, subject to an annuity.

Other gifts are as follows:

\$600 for tuition scholarships, \$450 for the Cryogenic Laboratory, and \$100 for the Fisk Hall Building Fund.

JUNIOR EXHIBITION.

The annual Junior Exhibition was held in Memorial Chapel on the evening of Thursday, May 11. The committee of award consisted of Rev. Henry Baker, D. D., Hon. Silas Arnold Robinson, and Rev. William Palmer Ladd, M. A., Instructor in History in the Berkeley Divinity School. The first prize was awarded to Charles Mabbett Travis, of Brooklyn, N. Y., who spoke on "The Modern Hocus-Pocus;" the second prize, to Charles Woodard Atwater, of Middletown, whose subject was "The Popular Attitude Toward Monopoly."

LIBRARY.

The number of volumes added to the Library from June 1, 1904, to April 30, 1905, was 1,714. They were obtained as follows: By purchase, 874; by binding periodicals, 191; by exchange, 1; by gift, 655. Deducting 7 volumes, exchanged or lost, there remains a net addition of 1,714 volumes. The total number of volumes in the Library at the present time is 67,000.

From June 1, 1904, to April 30, 1905, 5,122 books and periodicals were drawn from the Library for home use. In addition, 1,190 volumes were withdrawn from general circulation and reserved for special use either in the Library or in seminary rooms.

From May 1, 1904, to April 30, 1905, there were presented to the Library 564 bound volumes, 6,183 pamphlets and numbers of periodicals, 216 maps, and 4 autographs. In addition, 40 periodicals have been received regularly as gifts.

Mrs. F. D. Edgerton has presented to the Library long files of four important medical journals. Other principal donors were the United States Government, the Library of Congress, the State Libraries of Connecticut, Maine, and New York, the Carnegie Institution, the State Board of Education of Connecticut, the Field Columbian Museum, the New York

State Historian, the University of Chicago, Eaton & Mains, and the following individuals: Prof. A. C. Armstrong, Prof. M. B. Crawford, '74, D. J. Donahoe, Supt. W. B. Ferguson, Hon. E. E. Fuller, Dr. E. J. Howe, '70, Prof. C. H. Judd, '94, Rev. W. V. Kelley, '65, C. B. Moore, Prof. F. W. Nicolson, Prof. J. M. Paton, Hon. O. H. Platt, Charles Reynolds, '82, Prof. W. N. Rice, '65, B. A. Rich, '78, Hon. N. D. Sperry, Prof. J. M. Van Vleck, '50, Miss Josephine White, Prof. C. T. Winchester, '69.

Shelves have been placed along the walls of the ground floor of South College, and the room will be used for the storage of duplicates and of the surplus stock of college publications. The north half of the third floor of Rich Hall will be shelved, and the new shelves will relieve the overcrowding already existing in certain parts of the Library.

LABORATORY NOTES.

PHYSICS.—The Department of Terrestrial Magnetism of the Carnegie Institution has ordered two direct-recording magnetic variometers, of the type described by Professor Cady in *Terrestrial Magnetism and Atmospheric Electricity* of June, 1904. These are now being constructed and tested in the College machine shop and in the Scott Laboratory. One of the variometers is to be installed at the new Solar Observatory on Mount Wilson in California.

During the winter, Professor Cady was appointed research magnetician in connection with the Carnegie Institution.

CHEMISTRY.—During the past winter the researches in the Chemical Laboratory on human nutrition have received the substantial aid of a grant of \$7,500 from the Carnegie Institution for the specific purpose of studying the transformations of matter and energy in the body during fasting. A number of experiments have already been carried out on this interesting topic and others are planned. In addition to these experiments on fasting, a large number of experiments have been made to study the heat elimination and carbon dioxid output of different individuals under different conditions of bodily activity, ranging from complete rest to the most severe bodily work. Some of these tests were made with a professional bicyclist and are unique in their results. During the mid-year examination period, opportunity was had to study the effect of mental work on some twenty to twenty-five students who consented to take their examinations inside the calorimeter. These tests were followed by a control period in which the students did no hard mental work. The results are not yet ready for publication.

CRYOGENIC LABORATORY.—An extended study of the factors which make for efficiency in an air liquefier was begun nearly two years ago. The results obtained during the last college year were published in the

November and December numbers of the *Physical Review*. The inquiry is being continued this year with gratifying results.

To aid in the prosecution of this work during the coming year, the Smithsonian Institution has recently made a grant to Professor Bradley of \$250 from the Hodgkins Fund, the income of which is devoted "to the increase and diffusion of more exact knowledge in regard to the nature and properties of atmospheric air in connection with the welfare of mankind."

Some of the Alumni may be interested to know that the liquid air which was used by Professor Rutherford of McGill University, in connection with the Silliman lectures at Yale University in the month of March last, was supplied from the Cryogenic Laboratory at Wesleyan.

BIOLOGY. — A special appropriation granted by the Trustees at the last Commencement has been used in purchasing for the department a number of models and prepared specimens for class instruction. These include a manikin, special models of various parts illustrating human anatomy, and a large number of invertebrate species for the class in Zoölogy.

During the last year Professor Conn has been undertaking, in connection with the Storrs Agricultural Experiment Station and the United States Department of Agriculture, a series of investigations into the possibility of the manufacture of European types of soft cheeses in the United States. This work has been done partly at Wesleyan University and partly at the Storrs Experiment Station, and has resulted in showing the possibility of the manufacture of soft cheeses of such types in America. Hitherto the work has been almost entirely upon a type of cheese known as Camembert, and has resulted in the scientific manufacture of Camembert cheeses upon an experimental scale. It is expected that their manufacture upon a commercial scale will be soon undertaken in this country, and a member of the present senior class has accepted a position in which he is to devote his energies to this new industry during the coming year.

THE INTER-COLLEGIATE DEBATES.

In the fifth annual debate with Williams College, the Wesleyan team composed of Hancock, '05, and Travis, '06, was victorious. The debate took place in Williamstown, Massachusetts, on November 18, 1904. The judges were Honorable William P. Rudd of Albany, N. Y., Professor Herbert E. Mills of Vassar College, and Professor William MacDonald of Brown University. Professor H. D. Wild of Williams presided. The question was: "Resolved, That the government of territories and

alien peoples by the President and Congress of the United States, unrestrained and unqualified by the Federal Constitution, will necessarily be injurious to our republican institutions and to our form of government." Wesleyan had the negative side.

The Wesleyan team composed of Hancock, '05, Atwater, '06, and Travis, '06, was also victorious in the second annual debate with Syracuse University on April 12, 1905, at Middletown. The question was: "Resolved, That the Sherman Anti-Trust Law, as interpreted by the Supreme Court of the United States in the Northern Securities Case, is hostile to the best economic interests of the United States." The affirmative side was defended by Wesleyan. Professor C. T. Winchester presided, and the judges were President Flavel S. Luther of Trinity College, Hartford, Professor Paul Van Dyke of Princeton University, and Honorable Thomas P. Peters of Brooklyn, N. Y.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

The general plan of the work of the Association for the past year has been similar to that of previous years. Special meetings were held during the first week in December under the leadership of Reverend David G. Downey, D. D., '84, the aim being to deepen the spiritual life of the College. Dr. Downey secured as assistants the Reverends J. R. Henry, '98, R. E. Harned, '99, W. H. Burgwin, '96, F. B. Upham, '85, and G. W. Osmun, '98, who lived in their fraternity houses during the week. Reverend Newell Dwight Hillis, D. D., of Brooklyn and Reverend W. F. Anderson, D. D., of New York were also secured for addresses. Although no startling results were obtained, these meetings were productive of much good. The moral tone of the undergraduate body has not been better during the past four years than at present.

The Student Volunteer Band numbers eleven men, five having signed the declaration during the past year. Gibb, Jones, and Newell, of last year's graduating class, received appointments from mission boards to China, and sailed last summer.

The Presidents' Conference of the Student Associations of the East was held at Wesleyan University from March 30 to April 2, 1905. The meetings of the Conference, being open to the Cabinet, proved of much help to its members and should result in more efficient work during the coming year.

ALPHA DELTA PHI HOUSE.

The new Alpha Delta Phi House at the corner of Cross and High Streets is rapidly nearing completion, and the fraternity expects to take possession before Commencement Week. The house is built of brick in

the Colonial style and will cost about \$40,000. The ground floor, which is finished in Flemish oak, consists of a large living room, a hall and a dining room. The second and third floors are divided into seven suites of rooms, accommodating fourteen men. The two large fireplaces on the first floor together with those in the study rooms add much to the general effect and comfort in what the members think is an ideal club house. The architect was Mr. Charles A. Rich of New York City.

OBITUARY RECORD.

The following deaths among the Alumni have been reported since the publication of the last Obituary Record:

Class

- 1833. Daniel Henry Chase, b. 8 March, 1814, in Hoosick, N. Y.; d. 15 May, 1905, in Middletown, Conn.
- 1835. Annis Merrill, b. 9 September, 1810, in Harwich, Mass.; d. 2 February, 1905, in San Francisco, Cal.
- 1836. James Warrenne Sunderland, b. 19 February, 1813, in Exeter, R. I.; d. 9 April, 1904, in Collegeville, Pa.
- 1839. George Whiting Burke, b. 27 June, 1821, in New Haven, Conn.; d. 4 June, 1904, in Middletown, Conn.
- 1840. Robert Mathison, b. 22 July, 1818, in New York, N. Y.; d. 18 August, 1904, in Springfield, Mass.
- 1841. George Landon, b. 4 December, 1816, in Luzerne County, Penn.; d. 16 June, 1904, in Camptown, Penn.
- 1848. John Currier Clarke, b. 3 March, 1822, in Chester, N. H.; d. 1903, in Detroit, Michigan.
- 1849. William Watson Taggart, b. 28 December, 1826, in Leray, N. Y.; d. 29 November, 1904, in Watertown, N. Y.
- 1852. Francis Asbury Loomis, b. 2 April, 1825, in Manchester, Conn.; d. 12 June, 1904, in East Greenwich, R. I.
- 1854. Justin Spaulding Barrows, b. 3 October, 1829, in Windham, Vt.; d. 25 February, 1905, in Brookfield, Mass.
- 1855. Thomas Jefferson Bissell, b. 23 July, 1834, in Hartwick, N. Y.; d. 13 June, 1904, in Rochester, N. Y.
- 1855. Henry Lummis, b. 25 May, 1825, in Port Elizabeth, N. J.; d. 14 April, 1905, in Appleton, Wis.
- 1856. Andrew Jackson Spencer, b. 12 November, 1835, in Middletown, Conn.; d. 1902.
- 1856. Samuel Foster Upham, b. 19 May, 1834, in Duxbury, Mass.; d. 5 October, 1904, in Madison, N. J.

Class.

1859. Henry Crounce Abbott, b. 23 November, 1830, in Schoharie County, N. Y.; d. 29 March, 1905, in Fulton, N. Y.
1859. Horace Sumner Tarbell, b. 19 August, 1838, in Chelsea, Vt.; d. September, 1904, in San Francisco, Cal.
1861. Francis Daniels Edgerton, b. 26 August, 1838, in Chatham, Conn.; d. 19 January, 1905, in Middletown, Conn.
1867. Charles Wesley Millard, b. 11 March, 1846, in Hackensack, N. J.; d. 11 May, 1905, in Brooklyn, N. Y.
1869. Nathan Gilbert Cheney, b. 29 September, 1840, in Weston, Mass.; d. 23 September, 1904, in Brooklyn, N. Y.
1869. Samuel Robinson Kelley, b. 7 February, 1848, in Dover, N. H.; d. 3 February, 1905, in Boston, Mass.
1870. William Eastman Dwight, b. 10 June, 1847, in Chelsea, Mass.; d. 1 March, 1905, in Boston, Mass.
1870. Edwin Jenkins Howe, b. 2 July, 1849, in Orange, N. J.; d. 15 March, 1905, in Newark, N. J.
1873. Joseph Augustus Adlington, b. 13 January, 1845, in Woonsocket, R. I.; d. 3 July, 1904, in Rochester, N. Y.
1873. William Bunker Coleman, b. 12 April, 1852, in Elmira, N. Y.; d. 14 November, 1904, in Utica, N. Y.
1874. Albert Marion Talluadge, b. 22 February, 1854, in Fairfield, Conn.; d. 12 February, 1905, in Bridgeport, Conn.
1877. Eugene West Manning, b. 26 July, 1854, in Vienna, Md.; d. 26 December, 1904, in Philadelphia, Pa.
1881. Lee Light Grumbine, b. 25 July, 1858, in Fredericksburg, Pa.; d. 18 August, 1904, in Lebanon, Pa.
1884. George Herrick Dains, b. 22 July, 1861, in Windsor County, Vt.; d. 7 October, 1904, in Asheville, N. C.
1884. Frank Clasen Hoyt, b. 6 March, 1863, in Middletown, Conn.; d. 20 December, 1904, in Englewood, N. J.
1889. George Frederick Kettell, b. in Carlsruhe, Germany; d. 28 October, 1904, in Baltimore, Md.
1891. Charles Tapley Winchester, b. 26 August, 1868, in Springfield, Mass.; d. 2 October, 1904, in Boston, Mass.
1899. Norris Caleb Bailey, b. 9 August, 1876, in East Berlin, Conn.; d. 9 January, 1905, in Potsdam, N. Y.
1900. Rollin Hilliard Burr, b. 4 June, 1878, in Middletown, Conn.; d. 1 July, 1904, in Milford, Pa.
1901. Charlotte Maria Seabury, b. 7 November, 1878, in Little Compton, R. I.; d. 1 February, 1905, in New Bedford, Mass.
1904. Wilbor Butler Harlow, b. 13 November, 1881, in Brooklyn, N. Y.; d. 18 March, 1905, in Jacksonville, Florida.

CALENDAR.

1905.

- June 1. Thursday, 8:00 P. M.—Junior Prize Debate.
- June 23. Friday, 7:30 P. M.—Freshman, Sophomore, and Junior Prize Declamation.
- June 25. Sunday, 10:30 A. M.—Baccalaureate Sermon, by the Rev. Bradford Paul Raymond, D. D., LL. D.
- June 25. Sunday, 7:30 P. M.—University Sermon, by the Rev. Albert J. Lyman, D. D.
- June 26. Monday, 11:00 A. M.—Public Awarding of Prizes.
- June 26. Monday, 2:00 P. M.—Class Day Exercises.
- June 26. Monday, 4:00 P. M.—Base Ball Game, Williams vs. Wesleyan.
- June 26. Monday, 8:00 P. M.—Annual Meeting of Board of Trustees.
- June 26. Monday, 8:00 P. M.—Glee Club Concert.
- June 27. Tuesday, 9:00 A. M.—Meeting of the Φ . B. K. Fraternity.
- June 27. Tuesday, 10:00 A. M.—Business Meeting of the Alumni Association.
- June 27. Tuesday, 12 M.—Annual Meeting of the Alumni Athletic Association.
- June 27. Tuesday Afternoon—Reunion of Classes of '55, '80, '90, '95, '98, '02.
- June 27. Tuesday, 2:00 P. M.—Base Ball Game, Williams vs. Wesleyan.
- June 27. Tuesday, 4:00 P. M.—Receptions by the College Fraternities.
- June 28. Wednesday, 10:30 A. M.—COMMENCEMENT.
- June 28. Wednesday, 1:30 P. M.—Commencement Luncheon.
- June 28. Wednesday, 8:00 P. M.—President's Reception.
- June 29. Thursday, 9:00 A. M.—Examination of Candidates for Admission will begin.
- Sept. 27. Wednesday, 9:00 A. M.—Examination of Candidates for Admission will begin.
- Sept. 28. Thursday, 9:00 A. M.—First Term will begin.



—THE—

WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

DECEMBER, 1905.—No. 37.

THE TOTAL NUMBER of students this year is three hundred and thirty-eight, larger by thirty-three than the total number last year, and, except for the years 1899-1901, the largest in the history of Wesleyan. The Freshmen number one hundred and one, a gain of eleven over last year.

The opening of the college year is signalized by a number of important changes in the Faculty. Professor Harrington, in the Department of Latin, fills the vacancy caused by the resignation of Professor Merrill. In the Department of Greek, Professor Heidel, of Iowa College, takes the chair which has been vacant since the death of Professor Van Benschoten. Associate Professor Hewitt has in the main the work formerly done by Associate Professor Chase. In the Department of Mathematics, Dr. Stephens and Mr. Howland replace Mr. Camp and assume the work of Professor E. B. Van Vleck during his absence for the year in Europe. Other additions to the Faculty are noted on a subsequent page.

It is proper here to add that Associate Professor Dutcher and Associate Professor Fife have been made full Professors, the one, with the title of Hedding Professor of History, and the other, with the title of Marcus L. Taft Professor of the German Language and Literature.

These promotions and additions indicate a healthy growth characteristic of the long-established traditions of Wesleyan. All in all, it may safely be said that the various departments of the University were never more strongly manned, and the equipment of the institution was never better, than it is to-day. That this should be the case at the beginning of this anniversary year is just cause for gratification and is a hopeful augury for the future.

The final details of the celebration of the seventy-fifth anniversary of the founding of Wesleyan University are only in part ready for publication, but enough is already arranged to warrant the announcement that the occasion will be one of great importance in the history of the University. Speakers of distinguished merit are expected to be present, and the achievements of three-quarters of a century will be worthily passed in review. It is expected that a large proportion of the graduates of the University will meet in reunions more or less informal, and that a realization of the present rank of Wesleyan as an educational force will be impressed upon a larger number of the graduates of the institution than have ever before been brought together.

A matter of great importance to the welfare of Wesleyan was taken in hand last June,—the raising of \$200,000 among the Alumni as an addition to the permanent Endowment Fund. Circulars and letters calling attention to the honorable history of Wesleyan since its foundation, and emphasizing the present needs of the institution, have already been sent by a special committee to every graduate of the University. Professor Conn, at the request of this committee, has been appointed to act as Secretary and Special Solicitor, and is devoting a portion of his time this year to the raising of this Alumni Fund.

This Alumni movement is part of a larger movement which aims to place Wesleyan in a more satisfactory financial position than has been the case in recent years. It is hoped that in the not distant future not less than a million of dollars may be added to the permanent funds. In

view of the expansion of modern education in various fields this is by no means an extravagant sum, and it must be secured if Wesleyan is not to be hampered in its natural and symmetrical development.

For the information of the many alumni and friends of the University whose attention is specially called to the needs of the institution this year, the abstract of the Financial Exhibit, printed on another page, is made specially full. The total invested funds of the University now amount to \$1,391,216.05, from which the income in 1904-5 was \$72,663.50, showing an interest rate of 5.22 per cent.

It will be of interest to all graduates of the University to learn that a new edition of the Supplement to the Alumni Record is in the hands of the printer and will appear shortly.

The many friends of Professor Atwater will be deeply pained to learn that there has been no essential improvement in his condition since he was stricken with disease, one year ago; and that his physicians hold out but slight hopes of his ultimate recovery.

THE SEVENTY-FIFTH ANNIVERSARY.

The seventy-fifth anniversary of the founding of Wesleyan University will be celebrated with appropriate exercises at the next Commencement. The occasion will be one of special interest to all alumni; and it is confidently expected that the attendance of alumni and former students will be larger than at any previous Commencement in the history of the University. The entire programme has not yet been fully arranged, but as far as possible it is announced in the Calendar on the last page of this Bulletin. Complete details, with the full list of speakers, will be given in the Spring Bulletin. Meantime, it is hoped that as many classes as possible will plan to hold reunions on Monday evening. The University is ready to make every effort to facilitate such reunions; and it is probable that a committee from the Faculty and the local alumni may

be appointed to assist the class secretaries in making arrangements for the meeting and entertainment of the several classes. Any communications on this matter should be addressed to W. J. James, Wesleyan University Library.

TRUSTEE MEETING.

The Board of Trustees of Wesleyan University met in annual session on the evening of Monday, June 26, 1905, and again on Tuesday morning, June 27. The officers of the Board were reelected, namely, H. C. M. Ingraham, President; Rev. C. H. Buck, Treasurer; Rev. D. G. Downey, Secretary.

President Raymond presented his annual report.

Mr. Pearne presented a report relating to certain amendments to the Charter passed by the Legislature of Connecticut. The amendments are as follows:

“Resolved by this Assembly:

SECTION 1. That the Charter of Wesleyan University, approved June 2, 1870, is hereby amended by adding the following: “The president, for the time being, of said University, shall have power to confer honorary degrees and grant diplomas, in such form and to such persons as may be approved by the Board of Trustees, which diplomas shall entitle their possessors, respectively, to all the immunities and privileges which, either by usage or by statute, are allowed to possessors of similar diplomas from any other university, college or seminary of learning.

SECTION 2. Section two of a resolution amending said charter, approved February 14, 1878, is hereby amended to read as follows: Meetings of the Trustees of Wesleyan University, other than the annual meeting, may be held in the City of New York, and all proceedings at said meetings shall be as valid as though said meetings were held in Middletown, Connecticut.

SECTION. 3. The time within which the President or Secretary of the Board of Trustees may file the certificate of acceptance of an amendment to the Charter of Wesleyan University, approved February 20, 1879, is hereby extended to October 1, 1905, and all acts of said Board of Trustees otherwise lawful save for the omission of filing such certificate are hereby validated and confirmed.”

It was voted to accept these amendments, and to direct the Secretary to file the legal acceptance with the Secretary of State before October 1, 1905.

The following Trustees were reëlected, term to expire in 1911:

D. Ward Northrop,
Cephas B. Rogers,
John E. Andrus,

Henry H. Benedict,
Charles Gibson.

Samuel W. Bowne, of New York, was elected to fill the vacancy caused by the death of Joseph S. Stout, term to expire in 1906.

John Gribbell, of Philadelphia, was elected Trustee to fill the vacancy caused by the death of Charles Scott, term to expire in 1910.

James G. Shepherd, of Scranton, Pa., was elected to fill the vacancy caused by the death of Samuel F. Upham, D. D., term to expire in 1910.

The tellers appointed to canvass the vote of the Alumni for two Alumni Trustees reported the election of George G. Reynolds and George D. Beattys as Alumni Trustees for five years from 1906.

The President of the Board, H. C. M. Ingraham, was appointed Acting Treasurer during the absence of the Treasurer, Rev. Charles H. Buck.

J. M. Van Vleck was elected Assistant Treasurer.

W. J. James was appointed custodian of the valuable papers of the University.

The reports of the Library Committee and Apparatus Committee were accepted and placed on file.

The reports of the Treasurer and of the Local Executive Committee and General Executive Committee were received and ordered placed on file. The latter report announced the election of W. A. Heidel, Ph. D., of Iowa College, Grinnell, Iowa, to be Jane A. Seney Professor of the Greek Language and Literature.

Professor E. T. Merrill's resignation of the Robert Rich Professorship of Latin was presented and accepted, and Mr. George S. Coleman was requested to make an expression of the sentiments of the Board.

The following appointments were made to the Board of Instruction:

Karl P. Harrington, M. A., Robert Rich Professor of the Latin Language and Literature.

George M. Dutcher, Ph. D., Hedding Professor of History.

Robert H. Fife, Jr., Ph. D., Marcus L. Taft Professor of the German Language and Literature.

Ralph C. Super, M. A., Instructor in Modern Languages, for one year.

William M. Esten, M. S., Assistant in Biology, for one year.

M. Stuart Hall, B. A., Assistant in Physics, for one year.

Clarence F. Hale, B. S., Assistant in Chemistry for one year.

Roswell P. Stephens, Ph. D., Instructor in Mathematics, for one year.

Miss Adrienne Van Winkle, Assistant Librarian, for one year.

Miss Julia Brazos, Ph. B., Dean of Women, for one year.

The President of the University was authorized to confer the following honorary degrees:

Master of Arts on Howard P. Denison, ex-'85, of Syracuse, N. Y., and George B. Martin, ex-'69, of New Haven, Conn.

Doctor of Divinity on George B. Eckman, ex-'84, Pastor of St. Paul's M. E. Church, New York City; Edward S. Ninde, '87, of Ann Arbor, Mich.

Voted to approve the action of the Committee on the seventy-fifth anniversary of the founding of the college, and to direct the Committee to proceed; and to coöperate with the Committee appointed by the Alumni to raise an endowment among the Alumni.

The following resolution was adopted:

"WHEREAS, The Board is informed by the President of the University, that a Committee has been appointed by the Alumni Association, to raise an endowment from the Alumni, and that this Committee may request the assistance of Professor Conn in this work,

Resolved, That the General Executive Committee have authority to appoint Professor Conn or some other person to act with the Alumni Committee, provided the General Executive Committee, after investigation, finds such appointment wise; and that the General Executive Committee have power to make provision for the college work of any member of the teaching force who may be so detailed."

Voted to continue the Camp prize, and the Treasurer was directed to set aside five hundred dollars from any funds available to be the perpetual endowment of the Camp prize.

Voted to charge a fee of two dollars hereafter in the case of every student who registers after the time set.

Voted that the Local Executive Committee be directed to report at the next meeting on the advisability of removing the offices of the President and Secretary of the Faculty to South College and on any other changes that may be needed.

Voted that the Secretary be instructed to express to the Carnegie Institution the appreciation of the Board of the action of the Institution in continuing the support of investigations under Professor Bradley.

The following minute was adopted:

"Resolved, That this Board highly appreciates the recent gift to the University by Mrs. Alice Cummings Bonbright, of a family portrait of our early and conspicuous benefactor, Isaac Rich. We already have in our Library a representation of Mr. Rich as we knew him. The one now presented shows him in his earlier years, when he was laying the foundations of the fortune which he so benevolently administered, and it seems very appropriate that it should be placed in the Hall which we owe to his generosity.

"Resolved, That a copy of this resolution be sent to Mrs. Bonbright with our sincere thanks."

The following minute was adopted:

"Whereas, Miss Clara Van Vleck is compelled to retire from the position of book-keeper, the Trustees desire to put on record an expression of thanks for her long and valuable service. By her great accuracy in all details, and by her perfect knowledge of the finances and history of the University, she has been of incalculable service to the Finance Committee and Trustees."

The following memorial on Samuel Foster Upham, D. D., LL. D., was adopted by a rising vote, and the Secretary was instructed to send a copy to Mrs. Upham:

"Rev. Samuel Foster Upham, who was born at Duxbury, Mass., May 19th, 1834, and died at Madison, N. J., October 5th, 1904, was for twenty-three years a faithful and honored member of this Board of Trustees, and its Secretary from 1874 to 1882.

"A son of Wesleyan, graduating in 1856, his entire career conferred honor on his Alma Mater and blessing on the world. The Church trusted and honored him. Mount Union College gave him the degree of Doctor of Divinity in 1872; Hamline University made him a Doctor of Laws; and Wesleyan also conferred LL. D. a few years ago. He was a member of five General Conferences—in 1880, 1888, 1896, 1900, 1904,—in several of which he was Chairman of the Committee on Itinerancy. He was a member of the Joint Commission for making a new Hymnal for Episcopal Methodism—North and South. He gloried most in being a preacher of the Gospel. On his monument in Cedar Hill Cemetery, Hartford, Conn., the only inscription, besides his name and the dates of birth and death, is "Permitted to preach Christ's Gospel for nearly fifty years." That simple record indicates the supreme joy and passion of his life, and is known to be in accordance with his own wish. His

preaching was with unction of the Holy Spirit and with power. For many years he was one of the most desired and sought for preachers of the eastern seaboard. He was elected in 1881 to a professorship in Drew Theological Seminary, at Madison, N. J., where for twenty-three years in the Chair of Homiletics and Pastoral Theology he taught young men to be fervent preachers of the Gospel and faithful shepherds of the flock of Christ. He was an exemplar of his own teachings; he not only *told* his students how to preach, but *showed* them how, and inspired them with his own high spiritual enthusiasm and his ardent passion for preaching Christ and saving men. He was a great religious power in Drew Seminary, and his glowing influence flowed far and wide to warm the Church through successive classes of his students. In him there was a rare blending of fervor and humor, sympathy and robust good sense. Drew students called him "The Professor of Common Sense;" and the Faculty called him "The Fool Killer," because he was a master of the art of taking the nonsense and foolishness, pomposity or effeminacy out of cranks and ninnies, dudes and babies among the students. His religion and its influence were as wholesome as they were intense. Sunny, sweet, sound, and strong were his manhood and his ministry. Wesleyan University and the whole Church may well give thanks to God for the noble, earnest, beneficent and powerful life of Dr. Samuel Foster Upham."

The following minute, prepared by Bishop Andrews, Dr. Kelley, and Dr. Downey, was adopted:

"On November 24, 1904, in his seventy-seventh year, at his home in the city of Philadelphia, Pa., Charles Scott, Sr., for twenty-four years a Trustee of Wesleyan University, and one of its most generous benefactors, rested from a life of strenuous and most valuable activity in the church and in human society.

"Beginning his career with few outward advantages, by the clearness of his understanding, the force of his will, and the elevation of his aims, he achieved marked success in business, and an honored position among Christian and benevolent men. His early life gave promise of his later notable years of helpfulness in his own city and in regions far away. A noble and pious wife adorned his home, and seconded his high purposes. By wise counsels and by generous gifts he aided such local enterprises of Philadelphia as City Missions, the Methodist Hospital, the Home for the Aged, the Preacher's Aid Society; he was a Trustee of Drew Theological Seminary, and greatly helped in the renewal of its lost endowment; for twenty-four years he was a faithful Manager of the Methodist Missionary Society, and often a member of its General Committee; in 1900 he was a

delegate to the General Conference of the Church. To this University, where two sons and a son-in-law were educated, he was greatly attached. In addition to other gifts, in conjunction with Charles Scott, Jr., he erected at a cost of one hundred thousand dollars, the John Bell Scott Laboratory of Physical Science, a memorial to a deceased son who gave his life to his country as the result of the Spanish War. It was dedicated with tender and grateful remembrances of both father and son soon after the death of the former, in the presence of surviving members of the family, and of a large assembly of friends.

"This Board devoutly rejoices in the long and useful life of its late fellow member and hereby places on record its high appreciation of his sterling character, his work, and his worth. While we sympathize with his immediate family in their great bereavement, we congratulate them on the high level of his achievement and the gracious memory of a life that was much occupied with noble thoughts and good deeds."

The following minute drafted by Bishop Andrews, Dr. Kelley and Dr. Downey was adopted:

"In the death of Joseph S. Stout, Wesleyan University has lost one of its quiet, consistent, and loyal supporters, and this Board of Trustees one whose judgment and generosity will be greatly missed. Mr. Stout was chosen a Trustee of the University in 1880, succeeding his father, the late Andrew V. Stout. In later years he was not able, by reason of impaired health, to attend the meetings of the Board, but his interest in the prosperity of the University was undoubted and undiminished. The esteem in which Mr. Stout was held in the commercial and philanthropic world is evidenced by the positions of responsibility and trust that he occupied. He was a member of the Chamber of Commerce and of the Produce Exchange of New York City, also a Trustee of the American Bank Note Company and the Holland Trust Company, and Director of the National Shoe and Leather Bank. Methodism availed itself of his valuable services by choosing him not only a Trustee of this University, but also of Drew Theological Seminary and of the Methodist Episcopal Hospital, and also Treasurer of the the General Board of Education. In all these positions he gave to the Church both personal service of the highest value and financial aid that greatly assisted its philanthropic and educational work. In personal life Mr. Stout was simple, affable and irreproachable in character. Society, civics, commerce, and religion are bereaved in the departure of this man of upright character, earnest life and simple faith."

A special meeting of the Board of Trustees was held in New York City on November 15, 1905.

The amendments to the charter of the University, passed by the Connecticut Legislature on June 29, 1905, were accepted.

In compliance with the request of the Finance Committee appointed by the Alumni Association at the last Commencement, Professor Conn was authorized to act as the Secretary and Special Solicitor for the Committee, and Mr. W. J. James, as Treasurer. The local Executive Committee was empowered to deal with all further details in this connection.

Mr. W. R. Walkley, '60, turned over to the Trustees certain securities which are to be kept intact under certain clearly specified conditions, and the income thereof is to be applied, in harmony with the provisions of the trust, to the payment of the Walkley Prize in Psychology.

The following appointments to the Faculty were made:

Francis G. Benedict, Ph.D., to be Professor of Chemistry.

Robert A. Budington, M. A., to be Instructor in Biology for one year.

The following appointments to the Board of Instruction were ratified by the General Executive Committee on December 4, 1905:

Joseph W. Hewitt, Ph. D., to be Associate Professor of Latin and Greek for one year.

Erwin S. Fulton, B. S., to be Assistant in Chemistry for one year.

THE FINANCES.

The following is an abridgment of the Financial Exhibit of Wesleyan University for the year ending May 31, 1905, submitted by the Treasurer of the University, Rev. C. H. Buck, D. D.:

PROPERTY OF WESLEYAN UNIVERSITY.

Campus lands and buildings,	-	-	-	-	-	-	\$808,756 07
Museum, -	-	-	-	-	-	-	75,000 00
Library, -	-	-	-	-	-	-	60,000 00
Apparatus, furniture and fixtures in college buildings,	-	-	-	-	-	-	60,342 49
Real estate mortgages, -	-	-	-	-	-	-	903,250 00

Railroad bonds, - - - - -	\$188,669 03
Other bonds, - - - - -	276,970 05
Bank stocks, - - - - -	21,517 50
Other stocks, - - - - -	16,763 12
Real estate (not used for college purposes), - - - - -	47,200 00
Life insurance policy, - - - - -	5,000 00
Cash, - - - - -	920 95
Balance due from Income Account, - - - - -	19,488 44
	\$2,483,877 65

The foregoing property represents the following funds and balances and is answerable for the same:

University grounds, buildings and contents, - -	\$1,004,098 56
General endowment funds, - - - - -	423,557 51
Ayres scientific endowment fund, - - - - -	200,392 50
Presidency and professorship funds, - - - - -	541,501 97
Library funds, - - - - -	85,955 88
Gymnasium fund, - - - - -	25,000 00
Prize funds, - - - - -	4,128 84
Scholarship funds, - - - - -	25,620 16
Annuity funds, - - - - -	85,059 19
Astronomical Observatory fund, - - - - -	36,062 12
Scott Memorial Laboratory building fund, - - - - -	1,149 47
Bills payable, loans on account of income, - - - - -	49,000 00
Balance of Library incomes, - - - - -	2,071 45
Harrington fund for Department of Latin, - - - - -	280 00
	\$2,483,877 65

GENERAL CASH ACCOUNT—EXCLUSIVE OF INCOME.

Receipts.

Investments terminated, - - - - -	\$230,942 17
Fayerweather Estate, on account of bequest, - - - - -	5,000 00
Scott Laboratory building fund, gifts and interest, - - - - -	9,495 40
Scholarship funds, gifts, - - - - -	1,325 00
Alumni Library fund, gift, - - - - -	25 00
Fisk Hall building fund, gifts and interest, - - - - -	781 42
Wesley Bicentennial fund, gifts, - - - - -	29,639 00
Astronomical Observatory fund, gifts and interest, - - - - -	2,270 50
Increase in Professorship funds from income, - - - - -	821 39
Increase in Library funds from income, - - - - -	576 35
Increase in Prize funds from income, - - - - -	108 65

Increase in Scholarship funds from income, - - -	\$267 66
Increase in Annuity funds from income, - - -	109 25
Borrowed from Income Accounts for temporary investment, - - -	31,583 01
Balance on hand, 31 May, 1904, - - - - -	13,591 71
	\$326,536 51

Expenditures.

New investments, - - - - -	\$228,642 23
Steam heating plant, - - - - -	1,292 21
Grading college grounds, - - - - -	158 92
Fisk Hall and its equipment, - - - - -	20,519 64
Scott Memorial Laboratory and its equipment, - - -	38,975 33
Ayres Prize, - - - - -	22 64
Wesley Bicentennial fund, paid to Income Account, - -	36,004 59
Balance on hand, 31 May, 1905, - - - - -	920 95
	\$326,536 51

GENERAL INCOME ACCOUNT.

Receipts.

Tuition (including \$9,251.75 remitted), - - - -	\$19,596 00
Library and Reading Room, - - - - -	1,694 36
Incidentals and Janitors' fees, - - - - -	6,960 82
Room rent, - - - - -	2,943 90
Heating, gas and electricity, - - - - -	1,359 53
Examination and diploma fees, - - - - -	530 00
Women's dormitory, - - - - -	2,341 85
College commons, - - - - -	4,294 95
Gymnasium, - - - - -	85 00
Machine shop, - - - - -	170 13
Departments of Biology, Chemistry and Physics, laboratory fees, etc., - - - - -	1,203 35
Department of Mathematics, gift, - - - - -	15 00
Cryogenic Laboratory, gifts, - - - - -	1,750 00
Prizes, unendowed, gifts, - - - - -	110 00
Van Benschoten library subscriptions, - - - - -	1,155 00
Incidentals and miscellaneous, - - - - -	341 02
Wesley Bicentennial fund, transfer from General Cash Account, - - - - -	36,004 59
Income of General, Professorship and Gymnasium funds, -	62,573 58
Balance on hand, against loans, May 31, 1904, - - -	7,839 87
	\$150,968 95

Expenditures.

Salaries, - - - - -	\$59,282 50
Repairs and improvements, - - - - -	6,518 83
Janitor and assistants, - - - - -	5,170 56
Coal, gas and electricity, - - - - -	7,388 78
Water, - - - - -	570 26
Insurance, - - - - -	1,549 51
Printing, postage, stationery, telegrams, - - - - -	1,791 34
Catalogues, Bulletins, and advertising, - - - - -	1,279 65
Travelling expenses, - - - - -	641 37
Prizes, not endowed, - - - - -	283 25
Library and reading room, - - - - -	1,529 87
Museum, - - - - -	34 98
Machine shop, - - - - -	325 36
Gymnasium, - - - - -	1,546 01
Women's dormitory, - - - - -	3,002 65
College commons, - - - - -	3,939 51
Secretary's office, - - - - -	867 20
Aid to students, tuition, - - - - -	9,251 75
Treasurer's accountant, - - - - -	400 00
Van Benschoten library, partial payment, - - - - -	1,155 00
Furniture for President's house, - - - - -	569 69
Commencement expenses, - - - - -	679 26
Financial Secretary, - - - - -	5,356 18
Cryogenic Laboratory, - - - - -	387 72
Departmental appropriations, - - - - -	2,757 73
Incidentals and miscellaneous, - - - - -	1,728 93
Interest advanced on investments, - - - - -	530 26
Interest on loans, - - - - -	2,919 24
Balance on hand, against loans of \$49,000, - - - - -	29,511 56
	\$150,968 95

LIBRARY ENDOWMENTS.

Receipts.

Balance on hand, 31 May, 1904, - - - - -	\$1,126 29
Income of Library endowments, - - - - -	4,345 93
	\$5,472 22

Payments.

Paid Librarian for bills, - - - - -	\$2,824 42
Added to principal of Library endowments from their income, - - - - -	576 35
Balance on hand, 31 May, 1905, - - - - -	2,071 45
	\$5,472 22

SCHOLARSHIP FUNDS.

Receipts.

Income of Scholarship funds, - - - - -	\$1,216 48
Balance on hand 31 May, 1904, - - - - -	117 50
	\$1,333 98

Payments.

Paid to sundry scholars, - - - - -	\$1,066 32
Added to principal of scholarships from their income, - -	267 66
	\$1,333 98

PRIZE FUNDS.

Receipts.

Income of prize funds, - - - - -	\$255 76
Appropriation from General Income, - - - - -	23 25
Appropriation from principal of Ayres prize, - - -	22 64
	\$301 65

Payments.

Paid prizes, - - - - -	\$193 00
Added to principal of prizes from their income, - - -	108 65
	\$301 65

ANNUITIES.

Receipts.

Interest on annuity funds, - - - - -	\$4,271 75
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Payments.

Paid annuities, - - - - -	\$4,162 50
Added to principal of Daniel Wise fund, - - - - -	109 25
	\$4,271 75

"By the authority of the Board of Trustees at their annual meeting of 1904, a partial distribution of the permanent funds into funds for special purposes has been made during the fiscal year under the direction of the Finance Committee. The basis of this distribution has been an investigation of the books of the treasurers of the University from its foundation, and of the records of the Joint Board of Trustees and Visitors, and of the Board of Trustees."

"In the past it has been the practice to carry all stocks and bonds owned by the University upon the books at par value, the difference between par and cost or inventory values being carried to Premium Accounts. It has been directed by the Finance Committee that in the future the cost value shall be retained as the book value, and to make

the practice uniform the differences between cost and par values of old stocks and bonds have been restored from the Premium Accounts to the respective stocks and bonds."

In addition to the cash gifts entered above in the receipts of the general cash account, there have been received as gifts certain stocks and bonds of the following par value: from C. B. Rogers, \$5,000; William Connell, \$3,000; James G. Shepherd, \$1,000; and from Rev. J. T. Pettee, real estate valued at \$5,000.

ALUMNI ASSOCIATION MEETING.

The annual meeting of the Association was held on Tuesday, June 27, at 10 A. M. in the Fayerweather Gymnasium, with the President, T. E. Hancock, '71, in the chair. The following officers were elected for the year 1905-06: *President*, W. P. Hubbard, '63; *Vice-Presidents*, T. K. Niedringhaus, ex-'83, L. J. Magee, '85, C. F. Rice, '72; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E. Loveland, '89; *Executive Committee*, D. W. Northrop, '68, E. B. Birdsey, '71, E. G. Derby, '83, M. B. Crawford, '74, W. U. Pearne, '74; *Library Committee*, C. E. Bacon, '78, as a member for a term of three years.

G. G. Reynolds, '41, was reelected Alumni Trustee, and G. D. Beattys, '85, was elected Alumni Trustee for a term of five years commencing in 1906.

It was voted to be the sense of the Association that after the tenth year the regular reunions of the classes should be held at intervals of five years.

The class of '85 announced a subscription of \$100 toward defraying the expenses of the proposed celebration of the seventy-fifth anniversary of the founding of the college.

The following resolution, proposed by W. B. Day, '91, was adopted:

"*Resolved*, That the Alumni of Wesleyan University pledge their best endeavors to raise a fund of \$200,000 to increase the endowment of the University. This fund is to be known as the Alumni Fund. It is to be understood that this proposed amount shall include the money subscribed by the Alumni during the past two years. The purpose to which the proceeds of this fund shall be devoted is to be decided by a committee of five from the Alumni, and it shall be their duty also to see that the fund is raised."

W. B. Day, '91; F. M. North, '72, D. B. Thompson, '85, G. D. Beattys, '85, and A. W. Harris, '80, were elected members of this Alumni Finance Committee.

ALUMNI ATHLETIC ASSOCIATION.

The annual meeting of the Alumni Athletic Association was held in the Fayerweather Gymnasium on Tuesday, June 27, at 12 M., with the President, D. L. Robertson, '78, presiding.

The following officers were reëlected: *President*, D. L. Robertson, '78; *Vice-President*, J. C. Wells, ex-'88; *Secretary-Treasurer*, A. H. Burdick, '99, 16 University Place, Schenectady, New York.

C. H. Judd, '94, was reëlected a member of the Athletic Council for a term of three years; and E. L. Steele, '94, was elected for a term of two years, in place of L. E. Gordon, '94, resigned.

The report of the Secretary-Treasurer for the year ending July 1, 1905, showed an enrollment of 177 members. The receipts from various sources were \$591.25, of which, after deducting expenses, \$516.05 was paid over to the Financial Secretary for the coaching fund. The Association has assumed the obligation of raising \$1,000 for the fund during the present year, so that a large increase in the membership will be necessary to meet the increased obligation. The dues are two dollars, giving a non-resident season ticket to the games; five dollars, giving a resident season ticket; or ten dollars, giving a season ticket for two persons.

ALUMNI ASSOCIATIONS.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.—The present officers are: *President*, Rev. G. A. Phinney, '80; *Vice-President*, V. B. Swett, '96; *Secretary*, H. Loranus Davis, '00, 176 Federal Street, Boston, Mass.; *Treasurer*, Rev. A. E. Legg, '99. The annual meeting for the present year will occur on Monday, December 11, 1905, at Young's Hotel, Boston.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.—The first of the four meetings for the year 1905-6 was held in the restaurant of the South Station, Boston, on Friday evening, October 27, 1905. It was the largest meeting in the history of the Club, forty-one being in attendance. Professor Winchester read a paper on the Life and Works of the late Fred-
eric Lawrence Knowles, '94. H. L. Davis, '00, was elected President, and Clarence L. Newton, '02, 28 State Street, Boston, Secretary-Treasurer. The next meeting will occur late in January.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.—The officers for the current year are: *President*, D. L. Robertson, '78; *First Vice-President*, Rev. G. P. Eckman, ex-'84; *Second Vice-President*, F. D. Beattys, '85; *Secretary*, Walter B. Wilson, '00, 141 Broadway, New York; *Treasurer*, W. F. Randall, '80. The next annual meeting will be held at the Hotel Savoy, Fifth Avenue and Fifty-ninth Street, New York, on Friday evening, December 8, 1905. Among the speakers will be President Woodrow Wilson, of Princeton University, who was Hedding Professor of History and Political Economy at Wesleyan from 1888 to 1890, and Hon. Martin W. Littleton, President of the Borough of Brooklyn.

NEW YORK YOUNG ALUMNI CLUB.—The officers for the present year are: *President*, C. L. Rockwell, '97; *Vice-President*, W. W. Pickard, '99; *Secretary*, J. Herbert Baker, '03, 299 Broadway; *Treasurer*, W. MacNaughten, '00. The first meeting of the year was held at the Drug Club on Friday evening, November 17th, and the second meeting will be at the same place on January 19, 1906.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.—For the present year the officers of the Club are: *President*, L. G. La Bar, '78; *Vice-Presidents*, G. W. James, '78, and G. L. Peck, '90; *Secretary-Treasurer*, R. Nelson Bennett, '97, 307-309 Bennett Building, Wilkes-Barre, Pennsylvania. It is expected that the meeting and banquet this year will be at the Westmoreland Club, Wilkes-Barre, in February. The Club is now in its fifth year and represents a constituency of about fifty residing in Scranton, Kingston, Wilkes-Barre and neighboring towns.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.—The following officers were elected for the current year: *President*, E. J. Howe, '70 (deceased); *Vice-President*, C. E. Apgar, ex-'91; *Secretary*, J. A. Hulse, '90, Newark Academy, Newark; *Treasurer*, F. R. North, '97. The next annual meeting will be Friday, January 26, 1906.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.—The present officers of the Association are: *President*, J. M. King, '62; *Vice-Presidents*, A. C. Bruner, '79, C. D. Foss, Jr., '91; *Secretary*, Isaac C. Sutton, '00, 1218 Chestnut Street, Philadelphia; *Treasurer*, S. M. Thompson, ex-'02. The first meeting for this year was held at Hanscom's restaurant in Chestnut Street on Friday, November 24, 1905, the night before the football game with Swarthmore. The association meets three times a year, in the fall, the winter, and the spring.

APPOINTMENTS TO THE FACULTY.

KARL POMEROY HARRINGTON, elected Robert Rich Professor of the Latin Language and Literature, is the son of Calvin Sears Harrington, who held the same chair from 1863 to 1886. He was graduated from Wesleyan University with the degree of B. A. in 1882 and M. A. in 1885, and continued his studies in the University of Berlin from 1887 to 1889 and in Yale University in 1890-1. He was teacher of classics in the Westfield, Massachusetts, High School from 1882 to 1885; professor of Latin in Wesleyan Academy, Wilbraham, Massachusetts, from 1885 to 1887; tutor in Latin in Wesleyan University from 1889 to 1891; professor of Latin in the University of North Carolina from 1891 to 1899; and professor of Latin in the University of Maine from 1899 to 1905. He has published *Helps to the Intelligent Study of College Preparatory Latin*, Boston, Ginn & Company, 1888; *Greek and Roman Mythology* (with H. C. Tolman), Boston, Leach, Shewell & Sanborn, 1897; "Notes on the Diction of the Apocolocyntosis Divi Claudii," *Proceedings of the American Philological Association*, volume 26, page 15; "One of the Debts of Roman Literature to early Roman Tragedy," *Proceedings of the American Philological Association*, volume 27, page 29; "Conceptions of Death and Immortality in Roman Sepulchral Inscriptions," *Proceedings of the American Philological Association*, volume 30, page 28; "Tibullus as a Poet of Nature," *Proceedings of the American Philological Association*, volume 31, page 34; "Cicero's Puteolanum," *Proceedings of the American Philological Association*, volume 33, page 52; "Proverbs of the so-called Dionysius Cato," *Methodist Review*, volume 81, page 37; "Shall the Classics have a Fair Chance?," *Southern Methodist Review*, number 154, page 229; and various other papers in the *Proceedings of the American Philological Association*, the *American Journal of Archaeology*, the *Classical Review*, the *Methodist Review*, and other journals. Professor Harrington has also had a successful career as an organist and musical director, and as a composer and editor of musical publications. Among the latter are *Songs of the Psi Upsilon Fraternity*, 1891; *Songs of all the Colleges*, 1900; *Wesleyan Song Book*, 1901; and the *Methodist Hymnal*, 1905, of which he and Peter C. Lutkin, Dean of the Northwestern University School of Music, were the joint musical editors, and to which he also contributed several tunes.

WILLIAM ARTHUR HEIDEL, elected Jane A. Seney Professor of the Greek Language and Literature, was graduated from the Central Wesleyan College, Warrenton, Missouri, with the degree of B. A. in 1888, and of M. A. in 1891. He pursued graduate studies in the University of

Berlin from 1888 to 1890 and in the University of Chicago from 1894 to 1896, receiving the degree of Ph. D. from the latter university in 1895. He was acting professor of Latin in 1890-1 and professor of Greek from 1891 to 1894 in Illinois Wesleyan University; senior fellow in Greek in 1894-5 and instructor in ancient philosophy in 1895-6 in the University of Chicago, and professor of Latin in Iowa College, Grinnell, Iowa, from 1896 to 1905. He has published *Pseudo-Platonica*, Baltimore, The Friedenwald Company, 1896; *The Necessary and the Contingent in the Aristotelian System*, Chicago, University of Chicago Press, 1896; *Plato's Euthyphro, with Introduction and Notes*, New York, American Book Company, 1902; "On Plato's Euthyphro," *Transactions of the American Philological Association*, volume 31, 1900; "Metaphysics, Ethics and Religion," *Philosophical Review*, volume 9, 1900; "Unification of Education," *Education*, volume 22, number 2, 1901; Πέρας and Ἀπειρον in the Pythagorean Philosophy," *Archiv für Geschichte der Philosophie*, volume 14, 1901; "Catullus and Furius Bibaculus," *Classical Review*, volume 15, 1901; "Epicurea," *American Journal of Philology*, volume 23, 1902; "Review of Diels's Die Fragmente der Vorsokratiker," *American Journal of Philology*, volume 24, 1903; "Review of Pascal's Studiî critici sul poema di Lucrezio," *American Journal of Philology*, volume 24, 1903; "Logic of the Pre-Socratic Philosophy," in *Studies in Logical Theory*, by John Dewey and others, Chicago, University of Chicago Press, 1903; "Review of Döring's Geschichte der griechischen Philosophie," *Philosophical Review*, volume 14, 1905; besides reviews of other works in the field of Greek philosophy, and articles of a less technical nature in the *Methodist Review* and elsewhere.

ROBERT ALLYN BUDINGTON, elected Instructor in Biology, received the degrees of B. A. in 1896 and of M. A. in 1899 from Williams College, and then spent two years in graduate study in Columbia University. He was demonstrator in physiology in the College of Physicians and Surgeons, Columbia University, from 1900 to 1902; and instructor in zoölogy and physiology in Mount Hermon School from 1902 to 1905. Since 1901 he has, each summer, been instructor in zoölogy in the Marine Biological Laboratory at Woods Hole, Massachusetts.

ROSWELL POWELL STEPHENS, elected Instructor in Mathematics, was graduated from the University of Georgia in 1896 with the degree of B. A., and from Johns Hopkins University, after four years of graduate study, with the degree of Ph. D. in 1905. After teaching three years in public schools, he was instructor in mathematics in Andrew Female College, Cuthbert, Georgia, from 1899 to 1901. Two selections from his

doctor's dissertation, "A System of Parastroids" and "A Curve of the Fifth Class," were published in the *Johns Hopkins Circular*, January, 1905.

JOSEPH WILLIAM HEWITT, elected Associate Professor of Latin and Greek, received from Bowdoin College the degrees of B. A. in 1897 and M. A. in 1899, and from Harvard University the degrees of M. A. in 1900 and Ph. D. in 1902. He was instructor in Latin and Greek in Bowdoin College in 1897-8; principal of the Hanover, New Hampshire, High School in 1898-9; instructor in Latin in Worcester Academy in 1902-3; and master in Latin in the same school from 1903 to 1905.

LEROY ALBERT HOWLAND, elected Instructor in Mathematics, was graduated from Wesleyan University with the degree of B. A. in 1900, and from Harvard University with the degree of M. A. in 1904. He was instructor in mathematics in the Drexel Institute, Philadelphia, from 1900 to 1903, and since then has been a student in the Graduate School of Harvard University.

DEPARTMENTAL NOTES.

LATIN.—With the changes in the personnel of the department, various readjustments have taken place in the courses given this year. The following are new courses:

Course V. in rapid reading is given by Professor Nicolson twice a week, through the year. The aim of this course is to read large amounts of comparatively easy Latin with a view to acquiring facility in the use of the language. The selections include both prose and poetry.

Course XI. in Roman philosophy is given by Professor Harrington twice a week, through the year. Selections from Lucretius, Cicero's philosophical writings, and Seneca's essays are read and supplemented by lectures on the development of Roman philosophy.

Important additions have been made to the equipment of the department in wall maps. Also, a new college bench, arc light, lantern has been purchased for the use of this department and the department of Greek.

GREEK.—Two new courses are offered this year. In Course VI. four or five plays of Aristophanes will be read, supplemented by lectures and reports on the political, religious, and private antiquities of the Athenians. This course is conducted by Professor Hewitt two hours a week,

during the second half-year. Course VIII. deals with the Greek philosophers in the original sources, with reports and collateral reading in modern histories of ancient thought. It is given by Professor Heidel two hours a week through the year.

GERMAN.—A rearrangement of the advanced courses in German has been made. An introduction to Middle High German (X.) is given the first half-year, two hours a week, to alternate in successive years with the course in advanced grammar and composition (IV.), given last year. The Middle High German course includes a study of elementary grammar together with selected readings from the chivalric poetry of the early thirteenth century.

In the second half-year an introduction to German literature from the earliest times to the sixteenth century (VIII.) will be given; a two-hour course, including lectures in German and readings from Max Müller's German Classics. This course alternates with the course in the history of German literature from the sixteenth century to the present (IX.), given last year.

The two rapid-reading courses in nineteenth century German (VI., VII.) will cover, this year, readings from the realistic drama, in the first half-year, and from Heine's lyrics and prose, in the second.

ROMANCE LANGUAGES.—The course in Old French given this year has been extended from one to two hours a week.

ENGLISH LITERATURE.—A new course is given this year in the plays of Shakespeare. Six representative plays will be read, in the probable order of their composition: A Midsummer Night's Dream, Henry IV. (Parts I. and II.), As You Like It, Othello, Antony and Cleopatra, The Winter's Tale.

In connection with the plays some study will be made of the life of Shakespeare, and of the condition of the drama in his time. Sidney Lee's Life of Shakespeare will be used as a basis for this study.

HISTORY.—During the past year a collection of twenty-two physical and political maps of the countries of Europe and of the continents has been purchased. This additional equipment is proving very useful in the work of the department.

The Historical Seminary is this year making a special study of the history of the United States during the decade immediately preceding the Civil War.

PHILOSOPHY.—A new course, XIII. Philosophy, is given this year. The course is conducted on the seminary method, and is intended primarily for graduate students. The subject for the year is the Faith Philosophy from the Close of the Eighteenth Century. In the second half-year special attention will be given to the movement in present thinking which is called Humanism or Pragmatism.

MATHEMATICS.—Professor Edward B. Van Vleck is in Europe enjoying leave of absence for the year. After staying at Geneva during the greater part of the summer, toward the end of October he reached Paris, where he will spend the winter in study and research.

A recent addition to the library is a volume entitled "Lectures on Mathematics," a series of lectures delivered at the Boston Colloquium of the American Mathematical Society, September 2-5, 1903, by Professors F. S. Woods, E. B. Van Vleck, and H. S. White. The dedication is an unusual tribute: "To Professor John Monroe Van Vleck, LL. D., these lectures are affectionately inscribed by his former pupils." The edition bears the imprint of The Macmillan Company, publishers for the American Mathematical Society.

CHEMISTRY.—Thanks to the respiration calorimeter, which has attained such wide recognition in recent years through the researches of Professor Atwater, and to the liquid air plant in charge of Professor Bradley, the chemical department of Wesleyan University is in possession of facilities not surpassed in any American college for the prosecution of inquiries in two most important and fruitful fields, the nutrition of man and the phenomena of extreme low temperatures. Though designed for purposes of research, this equipment has already, to some extent, been utilized also in the work of instruction in the department, especially in connection with the lecture courses in physiological chemistry and in the liquefaction of gases, respectively. In order to render it still more serviceable in this direction, the officers of the department are offering this year the new courses which follow:

Course XIII. in low temperature investigations consists of experimental inquiries into special problems connected with the attainment and utilization of low temperatures. It is conducted in the cryogenic laboratory, by Professor Bradley.

Course XIV. in biological chemistry is devoted to an experimental investigation of problems connected with the nutrition of man, and is conducted, with the aid of the respiration calorimeter and accessory apparatus, by Professor Benedict.

Both of these courses are intended especially for graduate students, but may be elected by undergraduates who are candidates for special honors in chemistry at graduation.

RECENT GIFTS.

Since the publication of the May Bulletin, the following gifts have been received: From Mrs. G. F. Swift of Chicago, one hundred shares of the stock of Swift & Company, whose par value is \$10,000; from J. G. Shepherd of Scranton, Penn., two bonds of \$1,000 each for the endowment of a scholarship fund; from the estate of D. B. Fayerweather, an additional payment of \$5,000; from subscriptions to the Wesley Bicentennial Fund for endowment, \$1,608; from Professor J. M. Van Vleck, for the Astronomical Observatory Building Fund, \$500; from subscriptions for current expenses, \$6,050; and several small special gifts amounting to about \$80.

THE LIBRARY.

An important addition has been made by acquiring the library of the late James Cooke Van Benschoten, for thirty-nine years Professor of the Greek Language and Literature in Wesleyan University. This collection, consisting of 3,300 bound volumes and many pamphlets and numbers of periodicals, has been purchased by friends of the University at a cost of \$1,500 and presented to the Library. Its especial strength is in sets of classical periodicals, editions of the Greek writers, works on Greek art, and books dealing with the New Testament. Half of the books have been placed in the classical seminary in Willbur Fisk Hall. The remainder will be shelved in the general Library. There are in the entire collection very few books duplicating those already in the main Library.

THE MUSEUM.

During the past year a valuable collection of minerals, including about fifty specimens, has been received from the Foote Mineral Company of Philadelphia, in exchange for columbite and other minerals from the vicinity of Middletown.

An interesting collection of ancient lamps, tear vases, and bottles, from the vicinity of Sidon in Syria, has been obtained by purchase from Mitree Farhat, the money having been raised by subscription.

During the past summer collections of insects amounting in the aggregate to nearly two hundred specimens have been received from Ruth Sheldon and Russell Butler of Middletown.

In the early autumn Mr. Loper made a journey to Chattanooga, and was the guest of Mr. George D. Barnes, from whom a valuable collection of Indian relics from mounds in the vicinity of Chattanooga was purchased several years ago. Mr. Barnes added to this collection a valuable donation of about one hundred specimens of relics from the mounds and the stone graves in the vicinity of Chattanooga. The Museum has also obtained by purchase from Mr. Barnes one of the extremely rare council pipes. This specimen is very perfectly preserved, and is provided with sockets for the insertion of six stems. During his visit to Chattanooga Mr. Loper also collected a considerable number of fossils.

During the past year, the Museum has received a large number of accessions of single specimens or small collections, of which the following are among the most important:—A remarkably fine specimen of a large pebble faceted by wind-blown sand, from John L. Cook, of Bridgehampton, N. Y.; a collection of forty specimens of modern Indian pottery from New Mexico, received from Thomas E. Smith, of Middletown; Triassic fossils, from Charles Neff, of Portland, Conn.; specimens of bixbyite, from Maynard Bixby, of Salt Lake City, the well known mineral collector after whom that mineral species was named; a beautiful specimen of kauri-gum containing insects from New Zealand, topaz and tourmaline cut as gems, and a number of geodes from southern Indiana, presented by Frank B. Wade, B. S., Wesleyan, 1901; specimens of echinoids from the Bahama islands, presented by Howard E. A. Jones, Ph. B., Wesleyan, 1905; specimen of round clam (*Venus mercenaria*) illustrating formation of pearls, and various other specimens, presented by Hon. A. R. Crittenden; Japanese rain-coat and bell, presented by Mrs. W. W. Wilcox.

LABORATORY NOTES.

NUTRITION EXPERIMENTS.—In connection with the nutrition investigations which have been in progress in the chemical laboratory, an extensive investigation into the nutritive value of American cheese has been entered into this fall. The funds for this investigation have been supplied by the Office of Experiment Stations of the United States Department of Agriculture. An elaborate series of experiments is now in progress in which cheese cured at different temperatures and under different conditions forms a part of a diet which is being eaten by a number of men, and the digestibility of cheese accurately determined. It is proposed to continue this work well into the winter, thereby making a very thorough study of this important article of diet.

The researches into the metabolism or the transformations of matter and energy in the body during fasting, which have been carried out with the aid of a liberal grant from the Carnegie Institution of Washington, are still in progress. The respiration calorimeter is used in connection with both of these series of investigations.

CRYOGENIC LABORATORY.—Early last spring, Professor Bradley received an order from the director of the chemical laboratory of Harvard University for a liquefier of the general type which has proved so efficient here. At the date of writing, the work of constructing this liquefier is nearly completed and preparations are being made for testing it thoroughly before shipment.

In the May BULLETIN, mention was made of a grant from the Hodgkins Fund of the Smithsonian Institution to Professor Bradley, to aid in the prosecution of a study of the flow of compressed air through a nozzle and of the fall of temperature thereby induced. The details of this investigation are being carried out by Mr. C. F. Hale, '03, who rendered valuable service as an undergraduate during the early tests of the liquid air plant. The apparatus required is now in process of construction.

STATE BACTERIOLOGICAL LABORATORY AT WESLEYAN.—The Legislature of the State of Connecticut at its last session passed an act authorizing the State Board of Health to organize and carry on a State Bacteriological Laboratory. The primary purpose of this laboratory is to furnish data upon which can be based a more intelligent and efficient control of the sanitary conditions of the state and which shall serve as a means of furthering the interests of public health. At a meeting of the Board of Health in October, Professor Conn was asked to organize and direct this laboratory, thus being made State Bacteriologist. The laboratory will be started in Middletown and for the present, at least, will remain here. During the present year the duties of Professor Conn in connection with the Alumni Fund will make it impossible for him to assume any active relations to the new laboratory, but it is expected that next year he will be able to have a closer relation to the work of this new enterprise. In order that there be no delay in the organization of this important work, Mr. James A. Newlands has been engaged to undertake the equipment and the starting of the laboratory for the present year. Mr. Newlands comes from the Massachusetts Institute of Technology and has had special training in bacteriology associated with water and sewage. He has, recently, been in the state and city laboratories in Boston, but began work in Middletown on December 1. This new laboratory will furnish Wesleyan students opportunities to gain familiarity with certain phases of practical bacteriology and will be an important addition to the teaching facilities in biology at Wesleyan.

Class. **RECENT COLLEGE APPOINTMENTS.**

1881. Elmer Truesdell Merrill, Professor of Latin, Trinity College, Hartford, Connecticut.
1882. Karl Pomeroy Harrington, Robert Rich Professor of the Latin Language and Literature, Wesleyan University.
1882. Henry Seely White, Professor of Mathematics, Vassar College.
1886. Edward Bennett Rosa, Professor of Physics, Faculty of Graduate Studies, George Washington University, Washington, D. C.
1887. Joseph Chapin Rockwell, Professor of Ancient Classics, Buchtel College, Akron, Ohio.
1888. George Dempster Hamlen, Instructor in Obstetrics and Gynaecology, Cornell University Medical College, New York City.
1893. Daniel Acker Lehman, Instructor in Mathematics, University of Wisconsin.
1893. Frederick Curry Ostrander, Instructor in Romance Languages, Western Reserve University.
1897. John Gowdy, President of Anglo-Chinese College, Foochow, China.
1897. Irvine Charles Le Compte, Instructor in French, Yale University.
1897. Thomas Robinson Moore, Instructor in History, College of the City of New York.
1897. Frederick William Roe, Instructor in English Literature, University of Wisconsin.
1900. Harry Torsey Baker, Instructor in English, Harvard University.
1900. Walter Fenno Dearborn, Instructor in Education, University of Wisconsin.
1900. Leroy Albert Howland, Instructor in Mathematics, Wesleyan University.
1900. Payson Jackson Treat, Instructor in History, Leland Stanford Junior University.
1901. William Chauncey Rice, Assistant in Government, Harvard College.
1902. Clarence Albert Pierce, Instructor in Physics, Cornell University.
1902. Arthur Newman Tasker, Assistant in Chemistry, Department of Medicine, Columbian College, George Washington University, Washington, D. C.
1902. Everett Lynn Thorndike, Assistant to the Secretary, Columbia University.
1903. Clarence Frederic Hale, Assistant in Chemistry, Wesleyan University.

Class.

1903. George Wilber Hartwell, Fellow in Mathematics, Columbia University.
 1904. Frank Nugent Freeman, Scholar in Philosophy, Yale University.
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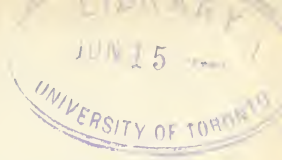
- 1895, M. S., Arthur Whitmore Smith, Instructor in Physics, University of Michigan.
 1899, M. A., Myra Coffin Holbrook, Instructor in English, Simmons College, Boston, Mass.
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1905.

CALENDAR.

- Sept. 28. Thursday, 9:00 A. M.—College year began.
 Nov. 29. Wednesday, 12:00 M.—Thanksgiving recess began.
 Dec. 3. Sunday, 9:00 A. M.—First chapel exercise after the close of the Thanksgiving recess.
 Dec. 22. Friday, 12:00 M.—Christmas recess will begin.
 1906.
 Jan. 3. Wednesday, 7:52 A. M.—Christmas recess will end.
 Jan. 25. Thursday,—Day of Prayer for Colleges.
 Feb. 8. Thursday, to Feb. 21, Wednesday,—Mid-year examinations.
 Feb. 22. Thursday,—Washington's Birthday,—a holiday.
 April 11. Wednesday, 12:00 M.—Spring recess will begin.
 April 17. Tuesday, 7:52 A. M.—Spring recess will end.
 May 3. Thursday, 8:00 P. M.—Junior Exhibition.
 May 30. Wednesday, Memorial Day,—a holiday.
 May 31. Thursday, 8:00 P. M.—Prize Debate.
 June 8. Friday,—Annual examinations will begin.
 June 21. Thursday, 8:00 P. M.—Prize Declamation Contest.
 June 22. Friday, 8:00 P. M.—Rich Prize Contest.
 June 23. Saturday, 8:00 P. M.—Glee Club Concert.
 June 24. Sunday, 10:30 A. M.—Baccalaureate Sermon, by President Bradford Paul Raymond, D.D., LL.D.
 June 24. Sunday, 7:30 P. M.—Address, "The History and Work of Wesleyan University," by Professor William North Rice, Ph. D., LL. D.
 June 25. Monday, 11:00 A. M.—Final Chapel Exercises. Announcement of award of prizes and of preliminary honors.

- June 25. Monday, 2:00 P. M.—Class Day Exercises.
- June 25. Monday, 4:00–7:00 P. M.—President's Reception.
- June 25. Monday, 6:00–9:00 P. M.—Class Reunions.
- June 25. Monday, 9:00–11:00 P. M.—Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
- June 26. Tuesday, 9:00 A. M.—Meeting of the Board of Trustees.
- June 26. Tuesday, 10:00 A. M.—Business Meeting of the Alumni Association.
- June 26. Tuesday, 12:30 P. M.—Luncheon for the Alumni and the Guests of the University.
- June 26. Tuesday, 5:00–7:00 P. M.—Social Receptions by the College Fraternities.
- June 26. Tuesday, 8:00 P. M.—Phi Beta Kappa Oration.
- June 27. Wednesday, 10:30 A. M.—COMMENCEMENT. Addresses by Prominent Alumni. Conferring of Degrees.



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WESLEYAN UNIVERSITY BULLETIN.

MIDDLETOWN, CONN.

MAY, 1906.—No. 38.

THREE-QUARTERS of a century ago a body of earnest men with high religious and educational ideals founded Wesleyan University as the highest institution of learning under the control of the Methodist Episcopal Church. The charter was remarkably liberal and provided, among other things, "that no by-law or ordinances, shall be established by said corporation, which shall make the religious tenets of any person, a condition of admission to any privilege in said university; and that no president, professor or other officer shall be made ineligible for, or by reason of any religious tenets, that he may profess, nor be compelled by any by-laws or otherwise, to subscribe to any religious test whatever."

The spirit displayed in this charter has been characteristic of the entire history of the institution, even though the revised charter of 1870 imposed some restrictions upon the choice of trustees and faculty. Throughout its entire history Wesleyan has placed no restrictions upon the right of research or the right of proclaiming the truth as it is, without regard to its possible bearings. Yet the members of the faculty of Wesleyan and the students they have trained have as a rule approached great questions with humility and, while progressive, have never advocated new views from the mere love of novelty.

Wesleyan men have always stood for a high type of manhood as well as of scholarship and have never slighted a man of real worth because of his lack of wealth or social position. The uncompromising democracy of Wesleyan has been one of its most honorable traits and will, we may hope, characterize it for generations to come.

But this is not the place to dwell at length upon the ideals that have been cherished from the outset in Wesleyan University. It is enough to remind those who have known the spirit of Wesleyan in past years that there has been no lowering of the old standards; that there is the same high level of scholarship, the same reverence for truth and insistence upon intellectual honesty, the same genuineness of religious faith, with tolerance for opposing opinions, the same respect for solidity of character.

And now, after seventy-five years of steady endeavor to realize the aims of the founders, there is to be a reunion of as large a number as possible of the graduates and friends of the University to celebrate the achievements of the institution. The details of the events of Commencement Week are outlined elsewhere. Nothing more need be said here than that every graduate should regard his attendance upon the celebration not only as a personal pleasure but as a debt due to his Alma Mater.

At the Alumni meeting last Commencement it was voted to endeavor in the course of the year to add two hundred thousand dollars to the permanent endowment fund of the University by contributions from alumni only. The amount thus far subscribed is about a hundred thousand dollars, including about \$15,000 which was paid in previous to last June which has been used, and is therefore not available as an endowment fund.

At least half, therefore, of the desired sum remains yet to be raised; but large numbers of the alumni have promised to make subscriptions before Commencement, and so it is expected that the total subscription will be greatly increased before the report is made at Commencement time.

It need hardly be remarked that a much larger addition than two hundred thousand dollars must be made to the endowment in order to meet the pressing needs of the institution. Higher education, with its indispensable equipment of laboratories, museums, seminary libraries, and other apparatus of advanced research, requires on the material side an expenditure hardly dreamed of a generation or two ago. The growing tendency to specialization observable in every department of modern life has made imperative a steady enlargement of the teaching force of

the University as well as of material facilities and, consequently, an increase in the annual outlay. When to these facts we add the well-known fact that trust funds are less productive than they were a score of years ago, we are confronted with a situation demanding the serious attention of those who have the prosperity of Wesleyan at heart. The entire amount asked for from the alumni will yield barely enough to meet the annual deficit.

But the steady expansion which is the life of every institution cannot be made a reality, without the addition of a full half-million of dollars to the permanent endowment, and this sum was named by President Raymond in his last Commencement address as the goal toward which we must strive this year.

Efforts in this direction have been made during the past year, but at this moment no report can be presented. May we not hope that those alumni who are at present unable to contribute largely will at least spare no effort in setting forth the claims of Wesleyan to the liberal support of men of means who stand ready to aid in the work of higher education?

Early in the morning of the first of March fire was discovered in old North College, and in the course of a few hours nothing remained but shattered walls and smoking ashes. None of the college buildings was so endeared to generations of Wesleyan students as North College with its ivied walls and its countless associations, and no building, however complete in its equipment, can fully replace the one that is gone.

But plans are already in progress for the erection of a new North College, which, in size, equipment, and architectural effect will worthily compare with the older structure. This will be built in the course of the next college year, and will, it is confidently expected, be ready for occupancy by September, 1907.

In the meantime, adequate provision will be made for the housing of new students. A considerable number can be accommodated in the remaining college dormitories, many in the club houses of the various college fraternities, and many others in private houses near the college campus. No student need be deterred from coming to Wesleyan next

year by reason of lack of satisfactory quarters. Inquiries should be addressed to the Secretary of the Faculty, and detailed information will be furnished without delay.

In consequence of the burning of the administrative offices in North College, the office of the Secretary of the Faculty has been temporarily transferred to Memorial Chapel. In the course of the coming summer South College is to be completely remodeled and provided with offices for the President and Secretary, and a large assembly room for meetings of the faculty. The University administrative building, which has long been a necessity, will thus at last become a reality. A fuller account of this work, which was begun early in May, will be given in the next issue of the *Bulletin*.

By the death of Bishop John C. Keener, D. D., LL. D., '35, in New Orleans on January 19, 1905, the Rev. Bostwick Hawley, D. D., '38, of Saratoga Springs, New York, becomes the oldest living graduate of the University.

The board of trustees at their meeting in March voted to increase the charges to students from \$108 to \$125, by adding \$10 to tuition and \$7 to incidentals. This change will take effect at the beginning of the next college year.

During the college year Professor E. B. Van Vleck has been travelling and studying in Europe. Professor J. M. Van Vleck has been absent since the beginning of January on a Mediterranean trip. Announcement has recently been made that Professor E. B. Van Vleck has tendered his resignation of the professorship of mathematics, which he has filled with ability and efficiency since 1898, to become professor of mathematics in the University of Wisconsin, in which he was an instructor from 1893 to 1895.

In the movement for securing improved conditions in intercollegiate athletics, and especially in football, Wesleyan University is taking an active part. Wesleyan was represented at both of the conferences at the Murray Hill Hotel in New York in November and December, 1905, which

initiated the recent revision of the football rules. In April, the faculty adopted several new regulations enforcing stricter scholarship requirements upon members of the student athletic and musical organizations. Graduate students will henceforth be excluded from the teams, and no freshman whose record at entrance or whose class work is unsatisfactory will be permitted to represent the University on the athletic teams and musical clubs.

THE SEVENTY-FIFTH ANNIVERSARY.

The question, "Who owns the University?" is one of the most vexed subjects in college life; but there will be no doubt as to who will own Wesleyan University during the days in June when it will celebrate its seventy-fifth anniversary. Then the alumni will hold undisputed sway. For the time, trustees, faculty, and undergraduates will waive their special claims and will all join in helping the alumni enjoy to the full the rights, privileges, and immunities of the University. Every alumnus is urged to come and claim title during the week ending June 27.

As there will be no time to take a census then, the returns concerning the number of alumni are here published in advance. During its first quarter-century Wesleyan University graduated 24 classes varying in size from 6 to 39, making a total of 549. Of these 87, or only 16 per cent. are still living. During the second quarter-century, 25 classes graduated, varying in size from 16 to 42, making a total of 745, of whom 518, or 70 per cent. are living. The third quarter-century has seen 24 classes, varying in number from 24 to 80, receive their diplomas; making a total of 1,225, of whom 1,165, or 95 per cent. are living. Seventy-three classes have contained 2,519 graduates of whom 1,770, or 70 per cent. are living. The class of 1906 will probably add 68 graduates to the total for the first seventy-five years of the history of the University.

There are no survivors of the classes prior to 1838, but there are from 1 to 9 survivors of each class from 1838 to 1854 inclusive. Each class from 1855 to 1871 has at least 10 survivors, except 1856 and 1866 which have only 7 each. Of each class from 1872 to 1884, there are at least 20 living graduates; each class from 1885 to 1893 has no less than 30 survivors; and there are at least 50 members living of each of the classes from 1894 onwards. These figures will at least enable each alumnus to figure out his relation to the success of his own class reunion. Every class is expected to hold a reunion on Monday, June 25, and every alumnus should remember that the ideal class reunion is one with all the living members

of the class present; so every graduate of the University is expected to do his part to make the reunion of his class an ideal one. More than 1,500 former Wesleyan students did not complete their course, and of these more than 900 are still living. They, too, will be welcomed at their respective class reunions.

Every one who attends the anniversary celebration will come expecting personal pleasure and profit from the visit to the University; but if the alumni own the University they have not only privileges to enjoy, but duties to discharge and burdens to bear. The alumni are planning to do this by adding \$200,000 to the endowment at that time. One half of the sum has already been subscribed. Those who have subscribed will be present to hear the announcement that the whole sum has been raised. Those who have not yet subscribed, will come bearing their gifts with them so that the announcement shall be made.

This anniversary is to be entirely an alumni celebration. Its success depends on the alumni. All the talking is to be done by the alumni, and the alumni will have the first choice of the listeners' places as well. Plan to come. Write to your class secretary at once (his address is given on page 30 or 31 of this *Bulletin*); and also to Mr. W. J. James, Wesleyan University Library, to announce your intention of being present and to get full information about railroad rates, accommodations, and anything else. The program is given in full on the last page of this *Bulletin*. The call goes out for every man to be on hand in time to cheer the Alumni baseball team on Saturday afternoon, June 23, and to stay late enough to applaud the last address by an alumnus on Wednesday, June 27. The first duty on arrival in Middletown is to report at the University Library to register and learn all the latest announcements.

THE BURNING OF NORTH COLLEGE.

In the destruction of North College by fire during the early morning of March 1, 1906, Wesleyan University lost a building valued at \$85,000, which was regarded by many as the handsomest structure on the campus, and which was the home of eighty-five undergraduates. Serious as this loss is, the insurance and the generosity of Wesleyan men and their friends will make possible the prompt construction of a handsomer and more commodious dormitory with a modern equipment, so that there will be an ultimate gain on the practical side. From the side of sentiment, however, the loss is total, for the student home of more than four thousand Wesleyan men is gone and no new building, however splendid, can enshrine the memories which endeared old North College to every Wesleyan man.

The building was erected of Portland brownstone, in the colonial style, and consisted of four stories and an attic. Partitions separated each of the upper floors into three sections, north, middle, and south. The room in the attic directly above the front entrance had been occupied, since its organization in 1837, with some interruptions, by the senior secret society, Mystical Seven. On Wednesday evening, February 28, the society held its weekly meeting at 9:30, and a little over an hour later left the room, as was supposed, in perfectly safe condition. From some cause which will never be known, possibly from an oil stove, possibly from a cigarette, fire started in this room. About midnight Johns, '06, Voorhees, '06, and Chasey, '07, who roomed on the fourth floor directly under the Mystical Seven room, thought they detected the odor of smoke. Johns and, later, Chasey looked into the halls and out of the window, and felt of the walls and ceiling of the room. Finally, about one o'clock, Voorhees made a tour of the halls and looked around outside of the building without finding anything to indicate fire. A little before two o'clock, the three men heard the crackling of flames overhead and saw the smoke burst through the ceiling of their room. Voorhees and Chasey at once hastened to the north section of the fourth floor, where they broke through the locked door at the foot of the attic stairs. They found the door to the Mystical Seven room locked and covered with sheet iron so that they could only throw water on the flames where they had begun to eat through the false flooring.

The alarm had at once been spread through the building and carried to the fraternity houses facing the campus, and an alarm telephoned to the fire department from the Alpha Delta Phi House. One fire company was promptly on the scene but the others did not arrive until a general alarm had been turned in, a few minutes later. In the meantime, the men in the north and middle sections on the fourth floor were devoting their best efforts to reaching and extinguishing the fire, and were soon joined in their efforts by the first fire company to arrive. The rumor that was spread that the firemen were unable to force an entrance to the Mystical Seven room was without foundation, as the door had been opened by Campaigne, '06, one of the members, before the company arrived. The real difficulty was that, after the firemen had carried the hose up the attic stairs to the vicinity of the fire, there was not enough water pressure to render any effective service. In a misdirected effort to reach the fire, the firemen pierced the partition between the north and middle sections of the top floor, but this served only to increase the draft. The smoke soon drove everyone from the north and middle sections of the fourth floor, and the men whose rooms were there were able to save scarcely anything, for they had devoted all their time to the

efforts to extinguish the fire. The occupants of the other rooms were able to move nearly all of their possessions out, though almost everyone lost some things.

Professor F. W. Nicolson, the secretary of the faculty, who resides in the house just north of North College, was awakened at the first alarm by the students, and was immediately on the scene, and arranged for the removal of all valuable records and property from the administrative offices, in the middle section of the second floor, to his house.



NORTH COLLEGE, EAST FRONT.

President Raymond and several other members of the faculty arrived a few minutes later and all other property in the president's and secretary's offices was transferred to South College, and a little later to a room on the lower floor of Memorial Chapel, which is being temporarily occupied as the office of administration.

When the other fire companies arrived, a little before 2:30, lines of hose were carried to the middle section of the fourth floor, both at the front and rear of the building, and while there was just enough pressure to keep the flames from breaking through seriously, there was not enough to prevent the serious spread of the fire under the tin roof into

the south attic, and in a few moments this part of the building burst into flames. By three o'clock the ceiling of the fourth floor had given way, scattering the fire through the halls of all the lower floors of the south section. Almost immediately that section of the roof fell, followed in a few moments by the rest. By 3:30, the whole of the south and middle sections and the fourth floor of the north section were a mass of flames, and in a moment, the rest of the north section was burning furiously, fanned by the northwest wind.



EAST FRONT, 4:00 A. M., MARCH 1.

For thirty-six hours preceding the discovery of the fire, a northwest wind had been blowing almost a gale, and it was only after midnight that it had begun to die down. Fortunately the wind had ceased to be more than a good breeze, and its only effect was to hasten the destruction of the north section when it had become fully kindled, and to scatter a shower of sparks southeasterly over the campus. So fierce was the fire in the north section that it caused the fall of a portion of the walls on the northwest corner before 4:30, and shortly afterward the fire had nearly burned itself out in the north section. The boiler house and machine shop, ten feet distant from the northwest corner of North College escaped with slight damage from the falling wall.

As soon as the flames burst through the roof of the south attic there was imminent danger that South College, twenty feet away would also take fire. The breeze drove a constant stream of sparks against the wooden cupola of South College, but the firemen made their way to the cornice of the cupola, and soon had a small stream of water playing over the cupola, just sufficient to prevent any damage. All the occupants of South College, except one who refused to be frightened, moved out their possessions while the danger was at its height, but an hour or



RUINS, FROM THE SOUTHEAST, MORNING OF MARCH 2.

so later, the danger was clearly past, and the belongings, somewhat the worse for their hasty removal, were restored to the rooms. Some vigilance was also necessary to protect the wooden houses facing the campus from ignition by the sparks, and happily any spreading of the fire was prevented by the activity of some of the students.

The fire in the south section burned much more slowly than in the rest of the building, blazing up from time to time during the day and the evening, and keeping a few firemen on hand to watch it and keep the fire contained within the ruined walls. During the evening of the

next day, March 2, more of the north wall fell. The obviously dangerous condition of the ruins led to the establishment of police lines around them, and to the demolition of the chimneys and the walls of the north end of the building on the following day. The college safe which was built into one of the disused chimneys, was forced open before the chimney was overturned, and the few unimportant things which had been left in it were found intact. The south wall was shored up, and the fire continued to smoulder in the ruins for several days. During the



RUINS, EAST FRONT, MARCH 12.

Easter vacation, laborers were set to work to clear away the ruins, and on April 17 the last piece of wall was pulled down.

With the thermometer registering more than twenty degrees below freezing, the task of the firemen was a difficult and unpleasant one, and only gratitude is due them for the efforts which they made, with seriously inadequate apparatus and water pressure, to subdue the fire. The fire made clear the need of a higher water pressure on the hill above High street, and of a fire engine as a part of the equipment of the fire department.

The question of insurance was a complicated one, for the whole University property, buildings and contents, was covered by a blanket insurance, issued subject to a reduced rate clause. Consequently it required several weeks to adjust the matter and the University received only \$34,906.22, though the building alone was carried on the treasurer's books at \$85,000.

Only about a dozen students were serious losers, and they had roomed on the fourth floor, mostly in the middle section. These men, as well as the other students who were only slight losers, have taken their loss philosophically, and have with hesitancy accepted the various offers of assistance. The North College men have, in a few cases, found accommodations in other college buildings; while some have secured accommodations in their fraternity houses, most of them have had to find quarters in town, but every one was able within the two days following the fire to make satisfactory arrangements for the remainder of the college year. Many of the students remember with gratitude the generosity of townspeople who provided them with temporary room accommodation, and who, in several instances, have inconvenienced themselves in order to give them room for a longer time. To prevent the dispersion of the freshmen from causing a falling off in their class and college spirit, special efforts are made to get all the members of the class together from time to time in gatherings at the different fraternity houses.

North College was one of the buildings constructed for The American Literary, Scientific, and Military Academy. This institution had been started at Norwich, Vermont, by Captain Alden Partridge, who had been a professor in the United States Military Academy at West Point. The corner stone of North College, or the Dormitory as it was called, was laid with Masonic rites in the autumn of 1824. Captain Partridge's Academy was opened in the new buildings, South College being included as the Lyceum Building, on August 22, 1825, though the buildings were not formally transferred to the trustees until five days later. In 1828, Captain Partridge failed to secure certain desired amendments to the charter of the Academy, and so early in the following year he transferred his school once more to Norwich, Vermont, where it became Norwich University. The buildings in Middletown, chiefly through the efforts of the Reverend Laban Clark, were transferred to the proposed Wesleyan University, which was being planned by three conferences of the Methodist Episcopal Church. The trustees of the new University at their first meeting, August 24-26, 1830, accepted the transfer of the buildings, and the University, having been chartered on May 21, 1831, was formally opened on September 21 of that year. In the interval the buildings had been used for a time as a private school. The

names of North College and South College have replaced the old names of Dormitory and Lyceum (later called the Chapel) since September 14, 1871.

As originally constructed there were long halls running the whole length of the building which were used in connection with military drill in the old academy. In October, 1832, the construction of partitions across the lower hall was authorized as a protection against the cold; and in June, 1835, the construction of similar partitions separating all of the halls into three sections was authorized. These partitions seem to have been solid so as to serve as an entire bar to communication between the separate sections. At a later date the partitions were pierced by doors, which existed till 1893. The walls were constructed of stone from the Portland brownstone quarries, across the river, and in a number of instances stones were so laid as to show excellent fossil specimens. Many class ivies had been planted around North College, and the class numerals, in each case, inscribed on the stones forming the water-table.

In 1893, Mr. John E. Andrus, '62, of Yonkers, New York, had the interior of the building completely remodeled at a cost of about \$26,000. It was at this time that the former separation of the building into three non-communicating sections was restored. The administrative offices which had always been in the building were at this time located in a suite of four rooms on the second floor, Mr. Andrus's student room, 23, becoming the president's office. Until 1904, several of the faculty members had used rooms in North College as offices and studies. Fortunately their private libraries had been removed at that date to new quarters in Fisk Hall. The two southwest corner rooms on the first floor had long been occupied as the college reading room, while two adjacent rooms had been occupied for 42 years by the college janitor, Mr. Harlow Raymond, who had been associated with the building for many years more than any other person, except Professor Winchester who had occupied rooms in the building for 39 years. Such in brief is the history of the building, but, in order to give the history of each of its 64 rooms, one would have to learn the story of the college life of each of the more than four thousand men who have at some time lived in old North College.

In pursuance of the action of the board of trustees on March 23, the following committee: President Raymond, Messrs. Ingraham, Coleman, Crittenden, Olin, Pearne, and Sessions, has been named with power to proceed to the erection of a new dormitory in the place of North College, after the approval by the general executive committee of plans and cost. There will be a meeting of the building committee and of the general

executive committee on May 25 to take action upon the questions involved. The undergraduates promptly and efficiently began the campaign to secure the necessary building fund, by their own subscriptions. It is hoped that the alumni and the friends of the University will come forward with equal promptness and generosity to complete the fund so that the work of rebuilding may proceed at once, free from any hampering restrictions due to lack of necessary funds. No less than \$75,000 to \$100,000 will be needed, for the University has no funds available for the purpose except the money received from the insurance on North College.

UNDERGRADUATE BUILDING FUND.

The fire was still smouldering in the ruins of old North College, when a movement, originating in the College Senate, was started to form the nucleus of a building fund for a new dormitory. Accordingly a college meeting was called Friday evening, March 2, and the subject proposed. The enthusiasm of the undergraduates was boundless and they responded to a man. The committee, consisting of Rogers, '06, Chairman, Weeks, '06, Treasurer, Clements, Heath, Syrett, Perrins, and Benson, '06, and Seybolt, '07, took subscriptions amounting to \$5,400. After the meeting, the college body marched to old North College and with uncovered heads sang the "Alma Mater" song. This impressive ceremony was ended with seven "Wesleyans" for North College.

At a subsequent college meeting the sum was increased to about \$8,500. This is to be paid in equal annual installments for a period of five years. The various classes have subscribed to date as follows: 1906, \$2,035; 1907, \$2,050; 1908, \$1,990; 1909, \$2,395. When it is realized that every man in college has subscribed to this fund and that the average subscription amounts to something over \$25, it is possible to appreciate what such a subscription means. More than this, the freshmen, who were the heaviest losers by the fire, subscribed several hundred dollars more than any other class. This generous spirit is a natural, though striking, result of the excellent sentiment of active loyalty that has shown itself in all of the acts of the student body throughout the college year.

TRUSTEE MEETING.

The Board of Trustees met in New York on Friday, March 23, 1906, at 2:00 P. M., President H. C. M. Ingraham in the chair.

Judge G. G. Reynolds was appointed with authority to represent the Board in an action at law, now pending in the Supreme Court of New York, in which the University is a party defendant, as a legatee of the Fayerweather will.

It was voted to accept an offer of the executors of the estate of Mrs. Harriet H. Wilcox to turn over to the University cash amounting to not less than thirty-five thousand dollars instead of certain corporation stock originally offered.

It was voted to appoint a committee of seven, four of whom shall be residents of Middletown or vicinity, with President H. C. M. Ingraham and President Raymond as members of the committee, to have power to proceed with the erection of a new dormitory in place of North College, after approval by the General Executive Committee of plans and cost. President Ingraham was authorized to appoint such a committee.

It was voted to proceed at once to make such changes in South College as will fit it for the offices of the University; the details were placed in the hands of the Local Executive Committee with power.

It was voted to increase the annual charge to students from \$108 to \$125, and that of the increase ten dollars be added to the tuition and seven dollars to incidentals.

Professor Kuhns was granted leave of absence for the remainder of the year after May 1, 1907.

The following appointments were made upon recommendation of the President, in which the Academic Council had concurred:

W. G. Cady, Ph. D., to be Associate Professor of Physics for one year.

R. P. Stephens, Ph. D., to be Instructor in Mathematics for one year.

J. W. Hewitt, Ph. D., to be Associate Professor of Latin and Greek for two years.

W. M. Esten, M. S., to be Assistant in Biology for one year.

H. R. Reiter, B. A., to be Director of the Gymnasium for one year.

C. F. Hale, B. S., to be Assistant in Chemistry for one year.

Miss Julia Brazos, Ph. B., to be Dean of Women for one year.

DEPARTMENTAL NOTES.

LATIN.—Courses IX. and X. in Roman satire, which will be given next year, are the outgrowth of courses previously given in Horace, Juvenal and Martial, and Petronius and Apuleius, and are intended to complement each other. They will be given in the first and second half-years respectively by Professors Harrington and Nicolson, each course will be two hours a week.

Two new courses will be given by Professor Harrington.

Course VI. will be a historical and critical survey of Roman literature, given by means of lectures, a text-book dealing with the general subject, illustrative class-room readings in Latin and in English transla-

tions, and a choice of one of several collateral reading courses covering different periods. This course is designed primarily for students who desire a wider general acquaintance with the literature of the Romans and its relation to other literatures, without special emphasis upon its distinctively linguistic or philological features. The class will meet twice a week throughout the year, and the course will count three hours.

COURSE XVIII. will consist of lectures on the historical development of Latin grammar, as regards both forms and syntax, with illustrative readings in inscriptions and in early Roman literature. It will be given during the second half-year, two hours a week.

ROMANCE LANGUAGES.—Course VI. French, which hereafter will meet one hour a week, will be given next year in place of V. French which will be omitted.

HISTORY.—On November 21, 1905, Mr. B. P. Adams, '07, the winner of the Harrington prize in 1904 read his prize essay, *The Last Years of the Colony of Connecticut*, before the Middlesex County Historical Society. Mr. W. G. Murphy, Jr., '06, the winner of the prize in 1905, was likewise requested to read his essay, *Connecticut during the Revolution 1774-1783*, before the society on December 19, 1905. Both these essays have been accepted for publication by the *Connecticut Magazine*.

The subject for course VI., the historical seminary, for 1906-7, will be the Administrations of Washington and Adams, 1789-1801.

FACULTY LECTURES AND PUBLICATIONS.

PROFESSOR RICE.—*Lectures*.—The New Testament of To-day. Mid-year Assembly of New York East Conference, Bridgeport, Connecticut, October 24, 1905.

What I want to see in a Religious Paper. Dinner of Boston Wesleyan Association, Boston, Massachusetts, December 13, 1905. Published in *Zion's Herald*, December 20, 1905.

On the Use of the Words Synclinorium and Anticlinorium. American Association for the Advancement of Science, New Orleans, Louisiana, December 30, 1905. Abstract published in *Science*, February 23, 1906.

Publications.—The Curriculum of Wesleyan University. *Wesleyan Literary Monthly*. June, 1905.

The Classification of Mountains. Report of Eighth International Geographic Congress. Washington, 1905.

State Universities and the Church. *The Christian Student*. November, 1905.

PROFESSOR ATWATER.—*Publication*.—A Respiration Calorimeter with Apparatus for the Direct Determination of Oxygen (with F. G. Benedict). Publication No. 42, The Carnegie Institution of Washington. Pp. 193. Washington, 1905.

PROFESSOR WINCHESTER.—*Lectures*.—The Methodist Hymnal. Brooklyn Methodist Social Union, October 10, 1905.

An Appreciation of Frederic Lawrence Knowles. Wesleyan Young Alumni Club of Boston, October 27, 1905.

Lecture before the Teachers' Association of Cleveland, Ohio, November 24, 1906.

Six Lectures under the auspices of the Y. M. C. A., Mobile, Alabama, February 9-20, 1906.

What the Pew Expects of the Pulpit. College Conference, Hartford Theological Seminary, Hartford, Connecticut, March 30, 1906.

Lecture before the Lyceum, Charleston, South Carolina, April 16, 1906.

Several lectures in other cities and before schools.

Publications.—The New Methodist Hymnal—the Hymns. *Methodist Review*. September-October, 1905.

An Appreciation of Frederic Lawrence Knowles. A paper read before the Wesleyan Young Alumni Club of Boston, October 27, 1905. Pp. 23. Privately printed by Wesleyan Young Alumni Club of Boston, January, 1906.

The Life of John Wesley. Pp. xiii., 301. New York, The Macmillan Company, 1906.

PROFESSOR ARMSTRONG.—*Lecture*.—Church and State in France. The Middlesex Congregational Association, Essex, Connecticut, June 6, 1905.

Publications.—Herder and Fiske on the Prolongation of Infancy. *Philosophical Review*. January, 1906.

The Separation of Church and State in France. *Methodist Review*. May-June, 1906.

Review of Höffding's Problems of Philosophy. *Journal of Philosophy, Psychology, and Scientific Methods*. February 1, 1906.

PROFESSOR MEAD.—*Publication*.—A Central Connecticut Word-List (with G. D. Chase). *Dialect Notes*, volume 3, part 1.

At the annual meeting of the American Dialect Society in December, 1905, at Haverford College, Professor Mead was elected secretary-treasurer of the society, becoming thereby *ex officio* editor of *Dialect Notes*.

PROFESSOR HARRINGTON.—*Lectures*.—Down the Appian Way with Horace. Vassar College, November 3, 1905; Woman's College, Baltimore, Maryland, February 15, 1905.

A Roman Boy. Middletown, Connecticut, November 16, 1905; The Groton School, Groton, Massachusetts, November 24, 1905; Binghamton, New York, February 6, 1906; Cazenovia, New York, February 7, 1906; Poultney, Vermont, March 2, 1906.

A Day in Rome. Tilton, New Hampshire, January 25, 1906.

Cicero's Villas. Washington Society of the Archaeological Institute of America, Washington, District of Columbia, February 13, 1906; Woman's College, Baltimore, Maryland, February 15, 1906.

On the Heights. Lima, New York, February 9, 1906.

The Classification of Latin Conditional Sentences. American Philological Association, Ithaca, New York, December 29, 1905.

What Part May the Lantern Wisely Play in Classical Instruction? Connecticut Section of the New England Classical Association, Middletown, Connecticut, May 19, 1906.

The Relation of Music to Religion. Montpelier, Vermont, September 22, 1905.

The Music of the New Hymnal. Methodist Social Union, Brooklyn, New York, October 10, 1905; Middletown, Connecticut, October 29, 1905; Tilton, New Hampshire, January 26, 1906; Baltimore, Maryland, February 15, 1906; New Britain, Connecticut, March 11, 1906.

Publications.—Horace as a Poet of Nature. Proceedings of the American Philological Association, volume 35, page v.

The New Methodist Hymnal—The Music. *Methodist Review*. September–October, 1905.

PROFESSOR BRADLEY.—*Lecture*.—Liquid Air. Delivered in five places, including the Jacob Tome Institute, Port Deposit, Maryland.

Publications.—Precooling, in the Liquefaction of Air (with G. P. O. Fenwick). *Journal of Physical Chemistry*. April, 1906.

Danger from Kerosene. *Good Housekeeping*. April, 1906.

PROFESSOR VAN VLECK.—*Publication*.—Review of Granville's Differential and Integral Calculus. *Bulletin of the American Mathematical Society*. January, 1906.

PROFESSOR KUHS.—*Lectures*.—The Greatness of Dante. Connecticut Chautauqua Assembly, Plainville, July 24, 1905.

Visions of the Christ. First Methodist Episcopal Church, Middletown, December 24, 1905.

Some Inspiration from Literature to the Teacher of Modern Languages. Connecticut Modern Language Association, New Haven, Connecticut, March 24, 1906.

Publications.—St. Francis of Assisi. *Methodist Review*. November-December, 1905.

The Many and the One. *Methodist Review*. May-June, 1906.

Untergrundströme deutschen Einflusses in Amerika. *Deutsche Erde*, 1905.

PROFESSOR HEIDEL.—*Lectures.*—Report of the Classical Conference of the Middle West and South held in Chicago, May 5 and 6, 1905. Classical Conference of New England, Springfield, Massachusetts, April 6, 1906.

Qualitative Change in Pre-Socratic Philosophy. Connecticut Section of the New England Classical Association, Middletown, Connecticut, May 19, 1906.

Publications.—Qualitative Change in Pre-Socratic Philosophy, *Archiv für Geschichte der Philosophie*, volume 19, number 3. April, 1906.

The Significance of the *ὁμοιον* in the Eleatic Philosophy, (abstract). Proceedings of the International Congress of Arts and Science. Boston, Houghton, Mifflin & Company, 1906, volume 3, page 173.

Review of D. H. MacGregor's Practical Deductions of the Theory of Knowledge. *Journal of Philosophy, Psychology, and Scientific Methods*, volume 3, number 6. March 15, 1906.

Professor Heidel is one of the associate editors of *Classical Philology*, a new quarterly journal devoted to research in the field of classical antiquity; published by University of Chicago Press, Chicago, Illinois.

PROFESSOR DODGE.—*Lectures.*—Psychology of Reading. Woonsocket Teacher's Association, Woonsocket, Rhode Island, April 10, 1906.

The Influence of the Latent Time of Retinal Impressions on the Length of the Reading Pause. Meeting of Experimental Psychologists, New Haven, April 18, 1906.

Demonstration of an Improved Exposure Apparatus. Meeting of Experimental Psychologists, New Haven, April 19, 1906.

Publications.—The Illusion of Clear Vision during Eye Movement. *Psychological Bulletin*. June 15, 1905.

Recent Studies in the Correlation of Eye Movement and Visual Perception. *Psychological Bulletin*. March 15, 1906.

Reviews of Angier's Vergleichende Bestimmungen der Peripheriewerthe, and Simon's Über Fixation in Dämmerungssehen. *Psychological Bulletin*. March 15, 1906.

Editor of special "Experimental Psychology Number" of the *Psychological Bulletin*. March 15, 1906.

PROFESSOR BENEDICT.—*Lectures*.—Do we eat too much? Central Medical Society, Middletown, Connecticut, November 13, 1905.

The Nutritive Requirements of the Human Body. Teachers' College, New York, December 5, 1905; Carnegie Library, Syracuse, New York, January 19, 1906; Society for Physical Education, New York, New York, February 17, 1906; Washington Chemical Society, Washington, District of Columbia, May 16, 1906; American Philosophical Society, Philadelphia, Pennsylvania, May 18, 1906.

The Respiration Calorimeter and Factors of Human Nutrition. American Chemical Society, Syracuse, New York, January 18, 1906; Society of Sigma Xi, Yale University, New Haven, Connecticut, March 22, 1906; Washington Academy of Sciences, Washington, District of Columbia, May 17, 1906; Department of Medicine, University of Pennsylvania, Philadelphia, Pennsylvania, May 18, 1906.

Analytical Methods in Nutrition Investigations, Bureau of Chemistry, United States Department of Agriculture, Washington, May 16, 1906.

Publications.—A Respiration Calorimeter with Apparatus for the Direct Determination of Oxygen (with W. O. Atwater). Publication No. 42, The Carnegie Institution of Washington. Pp. 193. Washington, 1905.

The Cutaneous Excretion of Nitrogenous Material. *Journal of Biological Chemistry*, volume 1, pp. 263-270. January, 1906.

A Method of Calibrating Gas Meters. *Physical Review*, volume 22, pages 294-299. May, 1906.

PROFESSOR CADY.—*Lectures*.—A Machine for Compounding Sine Curves. American Physical Society, New York, February 24, 1906.

A Direct-recording Magnetic Declinometer. American Physical Society, New York, February 24, 1906.

PROFESSOR FIFE.—*Lectures*.—Jean Paul Friedrich Richter and E. T. A. Hoffmann. A Study in the Relations of Jean Paul to Romanticism. Modern Language Association of America, Haverford, Pennsylvania, December 27, 1905.

Lectures at Kents Hill, Maine; Bucksport, Maine; Hollins, Virginia; Charlottesville, Virginia; Mount Hermon, Massachusetts; Bordentown, New Jersey; and Worcester, Massachusetts.

Publication.—The Vestry Book of King William Parish, Virginia, 1707-1750; translated from the French and annotated, parts 6, 7, and 8. *Virginia Magazine of History and Biography*, volume 13, numbers 1, 2, and 3. July and October, 1905, and January, 1906.

R. P. STEPHENS.—*Publication*.—On the Pentadeltoid. *Transactions of the American Mathematical Society*. April, 1906.

PROFESSOR DUTCHER.—*Lectures*.—Franklin, the Man and his Work. Middlesex County Historical Society, Middletown, Connecticut, January 16, 1906.

An Historical View of American Problems. First Methodist Episcopal Church, Middletown, Connecticut, April 29, 1906.

MR. ESTEN.—*Lecture*.—Lactic Acid Bacteria. Society of American Bacteriologists, Chicago, Illinois, December 28, 1905.

UNIVERSITY SERMONS, LECTURES AND ADDRESSES.

Sermon, Day of Prayer for Colleges, Memorial Chapel:

January 25, 1906.—President Raymond: "If any man will do his will, he shall know of the doctrine."—John 7, 17.

Addresses, Lenten Vesper Services, Memorial Chapel:

March 11, 1906.—President Raymond: Old North College.

March 18, 1906.—Professor Rice: Christ's Motto.

March 25, 1906.—Professor Kuhns: The Many and the One.

March 31, 1906.—Professor Bradley: The Kingdom of Heaven.

April 7, 1906.—Professor Harrington: The Passion of the Saviour.

Lectures before the Department of Philosophy, Fisk Hall:

November 2, 1905.—Professor George Malcolm Stratton, Johns Hopkins University: Optimism and the Scientific Method.

February 1, 1906.—Professor Charles Montague Bakewell, Yale University: Emerson's Philosophy.

March 22, 1906.—Professor Bradley: Modern Theories of Matter.

Lectures before the Department of History, Fisk Hall:

December 13, 1905.—Professor Henry Morse Stephens, University of California: Mirabeau and the Early Days of the French Revolution.

April 21, 1906.—Professor Max Farrand, Leland Stanford Junior University: The Frontiersmen in Colonial Times.

Lecture before the Classical Club, Fisk Hall:

April 26, 1906.—Professor Thomas Day Seymour, Yale University: Homeric Viands.

Lectures before the Middletown Scientific Association, Scott Laboratory, (President, Professor Cadz; Secretary, Mr. Esten):

June 10, 1905.—Professor Dodge: The Function of Play.

October 5, 1905.—Professor Willoughby Dayton Miller, University of Berlin: Symbiosis and the Role of Bacteria in Digestion.

November 11, 1905.—Professor Rice: Two Types of Mountain Topography and Structure.

December 9, 1905.—Doctor Garry de Nerville Hough, New Bedford, Massachusetts, Hospital: Some of the Achievements of Modern Surgery.

January 9, 1906.—Professor Dallas Lore Sharp, Boston University: The Lay of the Land.

February 8, 1906.—Professor Charles Hubbard Judd, Yale University: Is there a Science of Education?

March 8, 1906.—Mr. Austin F. Hawes, State Forester of Connecticut: The Preservation of the Forests by Wise Use.

April 5, 1906.—Mr. Abbott Lawrence Rotch, Blue Hill Meteorological Observatory: Recent Investigations at Great Heights Above the American Continent and the Atlantic Ocean.

May 15, 1906.—Professor Norman Everett Gilbert, Dartmouth College: The Observation of a Solar Eclipse.

Papers and Talks before the Apostles' Club, (private):

October 20, 1905.—Professor Dodge: An Analysis of Sympathy.

November 17, 1905.—Professor Armstrong: Church and State in France.

December 15, 1905.—Professor Kuhns: French Romanticism.

January 11, 1906.—Professors Fife, Fisher, Harrington, Hewitt and James: Reports from the holiday meetings of learned societies.

February 2, 1906.—Professor Mead: Some Bearings of Folk Lore.

March 9, 1906.—Professor Heidel: The Type as the Subject of Greek Art.

April 20, 1906.—Professor Max Farrand, Leland Stanford Junior University: Some Impressions of the West.

May 4, 1906.—Professor Hewitt: The Magic of Metal.

RECENT GIFTS.

Since the publication of the December *Bulletin*, there has been received from the estate of D. B. Fayerweather \$8,529.58; from the estate of Mrs. Harriet H. Wilcox \$18,700; and from the estate of Charles Scott \$1,000 for the establishment of the John Bell Scott Prize. An annuity fund of \$10,000 has been established by Mr. Everett O. Fisk, '73. Mr. W. R. Walkley, '60, has given bonds valued at \$500 for the endowment of the Walkley prize; and Mrs. Elizabeth B. Starks has added \$200 to the Starks scholarship fund. Professor J. M. Van Vleck, '50, has given \$500 for the salary of an instructor in the department of mathematics; Mr. Hanford Crawford, of St. Louis, Missouri, \$250 for the department of physics; and Mr. W. H. Hall, '92, \$150 for the cryogenic

laboratory. Mrs. Jane D. Boardman has contributed \$50, and Mr. Frank B. Weeks, \$25, for the endowment. Mr. C. Gibson has given \$250, Mr. W. E. Walker, \$300, Mr. C. F. Jones, \$110, and Mr. A. J. Holden, '92, \$250, for tuition; and Mr. John S. Huyler, \$1,000 for current expenses.

Mr. Thomas R. Creede, of East Orange, New Jersey, has presented to the Gymnasium a cup, to be awarded to the winner of the interclass basketball championship, which shall become the property of a class winning it for three consecutive years.

JUNIOR EXHIBITION.

The annual Junior Exhibition was held in Memorial Chapel on the evening of Thursday, May 3, 1906. The committee of award consisted of Mr. Clarence Everett Bacon, B. A., '78; Mr. M. Eugene Culver, B. A., '75; and Mr. Irville Charles LeCompte, Ph. D., '97. The first prize was awarded to Mr. Raymond Lalor Forman, of Trenton, New Jersey, whose subject was The Southern Moloch; the second prize to Mr. Harry Wellington Laidler, of Brooklyn, New York, who discussed The American Social Problem.

LIBRARY.

The number of volumes accessioned from May 1, 1905, to April 30, 1906, was 3,147. They were obtained as follows: by purchase, 1,596; by binding periodicals, 207; by exchange, 186; by gift, 1,158; deducting 107 volumes, exchanged or lost, there remains a net addition of 3,040 volumes. The total number of volumes in the Library at the present time, including the Van Benschoten books, is 73,000.

From May 1, 1905, to April 30, 1906, 6,593 books and periodicals were drawn from the Library for home use. In addition, 1,069 volumes were withdrawn from general circulation and reserved for special use either in the Library or in seminary rooms.

From May 1, 1905, to April 30, 1906, there were presented to the Library 3,912 bound volumes, 6,615 pamphlets and numbers of periodicals, 102 maps, and 1 photograph. This statement includes 3,336 bound volumes and 2,208 pamphlets belonging to the Van Benschoten Library. In addition 40 periodicals have been received regularly as gifts.

Among the principal donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut, Maine, New York and North Carolina, the Carnegie Institution, the State Board of Education of Connecticut, the Field Columbian

Museum, the Diocese of Connecticut, the Library of Yale University, and the following individuals: Prof. A. C. Armstrong, F. C. Becker, '05, H. W. Brainerd, Hon. F. B. Brandegee, Hon. M. G. Bulkeley, Mrs. W. G. Cady, Prof. M. B. Crawford, '74, Prof. W. C. Fisher, F. Greenslet, '97, L. R. Hazen, Mrs. E. P. Hurd, Prof. C. R. Lanman, Prof. W. N. Rice, '65, B. A. Rich, '78, G. W. Sherburn, '06, Hon. N. D. Sperry, Hon. W. A. Tateum, '84, Mrs. J. Townsend, Prof. J. M. Van Vleck, '50, Prof. C. T. Winchester, '69.

Several large collections of books presented in recent years have been necessarily left uncatalogued. In response to a statement of this fact the Finance Committee of the Board of Trustees has appropriated enough money to employ an additional cataloguer for two years. A cataloguer has been engaged and work on these books will begin before the close of the term.

THE MUSEUM.

The most important work in the museum during the present year has been the thorough rearrangement of the collection illustrative of dynamical geology. The specimens for this collection have been carefully selected, and a complete set of new labels has been printed for them. As now arranged in a large case at the southwest corner of the lower hall, the collection in dynamical geology is one of the most instructive exhibits in the museum. The various phases of the work of each class of geological agencies are illustrated by thoroughly characteristic specimens.

The collection of gems has been rearranged and re-labeled, and a few choice cut stones added.

There has been also some rearrangement of the ethnological department. In one of the newly arranged cases is shown the evolution of various types of implements from the crude work of the Stone Age to the more efficient tools of the Iron Age. Another case displays an interesting collection of ancient swords and dirks, from Syria, Egypt, and South America. In another case is shown a collection of shoes from various countries and of various ages, showing by comparison the progress from the clumsy wooden shoes to those of finer workmanship.

Among the donations received since the publication of the last *Bulletin*, the following are perhaps the most important:—A gold image from an Indian grave in Costa Rica, presented by Mr. Ferdinand R. Streber, of Wesleyan University; samples of textile goods, and bamboo hat, from the Philippine Islands, presented by Miss Susan T. Gladwin;

Japanese bell, and rain coat, presented by Mrs. W. W. Wilcox; collection of the vegetable fibres of commercial importance, presented by the Smithsonian Institution; mounted specimen of *Phycomyces nitens*, from Germany, presented by Albert F. Blakeslee, Ph. D.; collection of seventy-one mounted plants, from Massachusetts, presented by Miss Adrienne Van Winkle; mounted specimen of mole (*Parascalops breweri*), from New Hampshire, presented by G. M. Allen, Secretary of the Boston Society of Natural History.

LABORATORY NOTES.

CRYOGENIC LABORATORY.—Mention was made in the December *Bulletin* that an air liquefier of the general type which has proved so efficient here had been under construction for Harvard University. This liquefier was duly completed, and tested with gratifying results. It has now been in use for some months at Harvard. It yields about five quarts of liquid air per hour. In a recent letter to Professor Bradley, Professor T. W. Richards writes: "The admirable liquid air machine which you were so good as to build for us . . . leaves nothing to be desired, and we are very happy in its possession."

A liquefier of similar capacity is now being constructed for Yale.

An interesting inquiry is being carried on with reference to the exact amount of heat absorption which occurs when air expands from a high pressure to a lower one on passing through the expansion valve of a liquefier. The importance of this work will appear from the fact that there are two quite opposite views as to the cause of this heat absorption. One was advanced in 1895 by Linde of Munich, who holds that it is the result of *internal* work performed upon the expanding air itself, in accordance with the well known formula for the Joule-Thomson effect. The other, recently advanced by Pictet, maintains that it is the measure of the *external* work performed in driving aside the air which stands in front of the valve. Experimental data, such as will be forthcoming as a result of the inquiry mentioned above, may be expected to decide as between these two views. The investigation is being assisted by a grant from the Hodgkins Fund of the Smithsonian Institution. The details are in charge of Mr. C. F. Hale, '03.

STATE BACTERIOLOGICAL LABORATORY.—The establishment of this laboratory under the direction of Professor Conn, as State Bacteriologist, was mentioned in the December *Bulletin*. The trustees of the University have turned over to the use of this laboratory the small brick build-

ing back of North College, which was formerly used as the electrical laboratory, and the upper room of this building has been equipped for this work. The actual work is in charge of Mr. James Andrew Newlands, B. A., of Beloit College, recently connected with the Massachusetts Institute of Technology. The laboratory began work in January, 1906, by undertaking the testing of specimens, sent in by the physicians of the state, obtained from suspected cases of contagious diseases. It has recently been voted by the State Board of Health that the chemical and bacteriological analysis of the waters of the state shall, after July 1, be done in this laboratory. It is expected that later further work of a scientific character will be undertaken. The students in the department of biology will derive much advantage from the location of this laboratory at Wesleyan, since it will enable them to get a practical knowledge of certain phases of bacteriology, which it has hitherto been impossible to obtain here.

INTERCOLLEGIATE DEBATES.

In debate Wesleyan has enjoyed a very successful year. The sixth annual debate with Williams was held in Memorial Chapel, November 10, 1905, and resulted in a victory for Wesleyan. The subject was: "Resolved, That in the United States the nomination of candidates for minor elective offices should be by the method of the primary." Wesleyan supported the negative, represented by C. M. Travis, '06, and A. G. H. Power, '08, with C. W. Atwater, '06, and H. W. Laidler, '07, as alternates. The judges were Professor George Burton Adams of Yale University, Professor George G. Wilson of Brown University, and Mr. Hammond Lamont of the *New York Evening Post*. The series with Williams now shows a total of four victories for Wesleyan to two for Williams.

The third annual debate with Syracuse occurred April 5, in Crouse College, Syracuse. The subject for debate was: "Resolved, That a federal commission with power to fix, upon complaint, and to enforce, subject to appeal to the courts, a future maximum railway rate is desirable." The Wesleyan team, composed of C. M. Travis, '06, H. W. Laidler, '07, and J. T. Hancock, '09, with H. C. Chamberlain, '07, as alternate, upheld the affirmative. The judges, Professor George L. Burr of Cornell University, Professor Arthur S. Hoyt of Auburn Theological Seminary, and Mr. Fred. Fincke of Utica, awarded the debate to the affirmative. This is Wesleyan's third consecutive victory over Syracuse.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

During the past year there has been a lively interest in the work of the association on the part of the men in the University. This, undoubtedly, has been due largely to the three series of special meetings held in addition to the two regular weekly meetings. These meetings came at strategic times during the college year, in the late fall, in mid-winter, and in the early spring; and were under the leadership of the Reverend H. Roswell Bates, President Raymond, and Mr. E. C. Mercer, respectively. The average attendance at these nine special meetings was about one hundred.

The work of the missionary committee during the past year has placed that department in an exceptionally strong position. A mission study rally, under the leadership of the Reverend S. M. Zwemer gave a good registration and the attendance at the study classes has been large in proportion. The Joe Beech fund has been put on a permanent basis and a consecutive policy made possible by the arrangement made by the committee with Mr. W. J. James, '83, the librarian of the University, who will henceforth have general charge of the work of raising the fund. Last fall the pledge for this year was fixed at \$300, and it is expected that the whole amount will be raised before Commencement. The association was fortunate in having four delegates at the Nashville convention of the Student Volunteer Movement, and with three of them in the University next year, the missionary interests ought to be well managed.

All the other lines of work regularly carried on by the association have been continued during the past year with gratifying success.

THE CLASSICAL CLUB.

As the result of a movement among the students there has been formed this spring a Classical Club of nearly twenty members. Meetings are to be held every three weeks during the college year. The club has for its object the reading and discussion of the Greek and Latin authors and the familiarizing of its members with classical matters generally. It is desired to make this a means of inviting distinguished classical scholars to Wesleyan, for a series of lectures upon subjects connected with the study of the classics, similar to the series maintained by the department of philosophy. An auspicious beginning was made in securing for April 26, Professor Thomas D. Seymour of Yale University, who addressed the Club and the college body upon Homeric Viands. The officers of the Club are F. E. Robbins, '06, President, and J. W. Northrop, Jr., '07, Secretary.

OBITUARY RECORD.

The following deaths among the Alumni have been reported since the publication of the last Obituary Record:

Class.

1835. John Christian Keener, b. 7 February, 1819, in Baltimore, Md.; d. 19 January, 1906, in New Orleans, La.
1839. Abiel Converse, b. 13 December, 1815, in Thompson, Conn.; d. 7 April, 1906, in Thompson, Conn.
1842. Samuel Matthias Raibeck, b. 5 March, 1822, in Rhinebeck, N. Y.; d. 15 November, 1905, in Yonkers, N. Y.
1843. William Adolphus Hunt, b. 17 November, 1820, in Rhinebeck, N. Y.; d. 31 December, 1897, in Peekskill, N. Y.
1844. Lafayette Charles Loomis, b. 7 July, 1824, in Coventry, Conn.; d. October, 1905, in Washington, D. C.
1845. Daniel Avery Whedon, b. 16 December, 1823, in Brandingham, N. Y.; d. 20 May, 1906, in East Greenwich, R. I.
1850. Frederick Sterling Lyon, b. 21 June, 1827, in Fairfield, Conn.; d. 6 May, 1905, in South Norwalk, Conn.
1850. William Beinlauer Silber, b. 22 November, 1821, in New York, N. Y.; d. 5 May, 1906, in New York, N. Y.
1852. William Robert Clark, b. 26 September, 1822, in Greenfield, Mass.; d. 18 June, 1905, in Cambridge, Mass.
1852. Edward Peter Shaw, b. 31 August, 1829, in Rhinebeck, N. Y.; d. April, 1905, in Redding Ridge, Conn.
1856. Alexander Diego McVoy, b. 7 May, 1832, in Elizabeth, N. J.; d. 11 April, 1905, in San Antonio, Texas.
1856. Emerson Warner, b. 30 April, 1831, in New Braintree, Mass.; d. 30 December, 1905, in Worcester, Mass.
1857. Henry Jerome Fuller, b. 5 May, 1834, in Mansfield, Mass.; d. 17 October, 1903, in Taunton, Mass.
1858. Hiram Pliny Shepard, b. 28 December, 1828, in Turin, N. Y.; d. 1 April, 1905, in Forestville, N. Y.
1859. Joseph Leland Morse, b. 4 May, 1837, in Wilton, Me.; d. 18 June, 1905, in Evanston, Ill.
1860. Bennett Tyler Abbott, b. 16 October, 1836, in Middlebury, Conn.; d. 22 April, 1905, in Derby, Conn.
1863. George Lysander Edwards, b. 25 February, 1839, in Middletown, Conn.; d. 3 December, 1905, in Colchester, Conn.
1865. Benjamin Ayer Gilman, b. 8 September, 1838, in Phillips, Me.; d. 14 March, 1906, in Essex, Conn.

1866. Reese Barker Gwillim, b. 29 November, 1838, in Llandisilia, Wales; d. 8 June, 1905, in Brooklyn, N. Y.
1867. Frederic Tabor Glover, b. 10 September, 1843, in Orient, N. Y.; d. December, 1899, in Westbury, N. Y.
1868. Ensign McChesney, b. 17 March, 1844, in Grafton, N. Y.; d. 30 November, 1905, in Syracuse, N. Y.
1868. Frank Reynolds, b. 30 June, 1848, in Milton, N. Y.; d. 22 October, 1905, in Brooklyn, N. Y.
1869. John Russell Cushing, b. 4 January, 1838, in Epping, N. H.; d. 7 February, 1906, in Newton Lower Falls, Mass.
1871. Robert Weaver Jones, b. 24 October, 1839, in Bethlehem, Pa.; d. 28 December, 1905, in New York, N. Y.
1873. Joel Osmun Sherburn, b. 21 November, 1845, in Plainfield, Vt.; d. 13 May, 1906, in Bradford, Vt.
1874. Joshua Rogers Buckelew, b. 3 March, 1851, in Brooklyn, N. Y.; d. 22 September, 1905, in Brooklyn, N. Y.
1874. John Nehemiah Pierce, b. 7 April, 1851, in Edgartown, Mass.; d. 22 April, 1906, in Edgartown, Mass.
1875. Lewis McLellan Jackson, b. 14 April, 1854, in Indianapolis, Ind.; d. 25 January, 1905, in Worcester, Mass.
1875. Joseph Waldo Vinal Rich, b. 5 April, 1849, in Chesterville, Me.; d. 16 June, 1905, in Providence, R. I.
1880. John Mott Smith, b. 8 August, 1856, in Windsor, Conn.; d. 25 October, 1902, in Middletown, Conn.
1894. Frederic Lawrence Knowles, b. 8 September, 1869, in Lawrence, Mass.; d. 20 September, 1905, in Roxbury, Mass.
1897. William Gano Guernsey, b. 16 September, 1875, in Bangall, N. Y.; d. 13 February, 1906, in Brooklyn, N. Y.
1901. Leila Alberta Field (Mrs. Carl F. Price), b. 10 September, 1877, in East Hampton, Conn.; d. 24 March, 1906, in Yonkers, N. Y.
1902. Norman Keator Silliman, b. 21 April 1875, in Roxbury, N. Y.; d. 4 August, 1905, in New York, N. Y.

CLASS SECRETARIES.

The following list includes the names of the class secretaries, so far as known, with their latest reported addresses. In cases where the name of the class secretary is unknown, and there is a member of the class residing in Middletown, his name and address are given in parenthesis. In a few cases in which there is neither a known class secretary, nor a resident of Middletown, the name and address of some member of the class who is likely to be present at Commencement are given in parenthesis.

Classes without secretaries are urged to appoint a secretary at their reunion in June and to report his name to Professor F. W. Nicolson, the secretary of the faculty.

Every alumnus should at once get into correspondence with his class secretary, or the person named instead in the annexed list, to learn the plans for the class reunion. Every class secretary will, of course, see that every member of his class is urged to attend the celebration of the seventy-fifth anniversary of the University and his class reunion in June, and supplied with full information about the plans and program for Commencement week. Class secretaries and others may address Mr. W. J. James, Wesleyan University Library, Middletown, Conn., for any information in regard to the celebration in June.

Class.

- 1854. William T. Hill, 37 Howe Street, New Haven, Conn.
- 1855. Edward H. True, Gettysburg, Penn.
- 1856. (Burwell P. Goode, 226 Hosea Avenue, Cincinnati, O.)
- 1857. (William T. Elmer, 159 Broad Street, Middletown, Conn.)
- 1858. (Daniel C. Knowles, Tilton, N. H.)
- 1859. Stephen B. Davis, 209 Main Street, Middletown, Conn.
- 1860. (Edward M. Anthony, Jewett City, Conn.)
- 1861. (Charles G. R. Vinal, 209 Main Street, Middletown, Conn.)
- 1862. (Henry W. Bennett, 45 John Street, Ilion, N. Y.)
- 1863. (John C. Rand, 100 Franklin Street, Boston, Mass.)
- 1864. George S. Bennett, 4 North Main Street, Wilkes-Barre, Penn.
- 1865. Sidney K. Smith, Marlboro, Mass.
- 1866. (George C. Round, Manassas, Va.)
- 1867. (Edward Cunningham, 30 Rowan Street, East Norwalk, Conn.)
- 1868. (D. Ward Northrop, 231 Main Street, Middletown, Conn.)
- 1869. (Caleb T. Winchester, 342 High Street, Middletown, Conn.)
- 1870. Alfred S. Roe, 5 Dix Street, Worcester, Mass.
- 1871. (Theodore E. Hancock, Syracuse, N. Y.)
- 1872. Charles F. Rice, 53 Newtonville Avenue, Newton, Mass.
- 1873. Alfred C. True, Department of Agriculture, Washington, D. C.
- 1874. Morris B. Crawford, 197 High Street, Middletown, Conn.
- 1875. M. Eugene Culver, 194 Main Street, Middletown, Conn.
- 1876. George S. Coleman, 2 Tryon Row, New York, N. Y.
- 1877. Henry P. Cooke, 28 Paddock Street, Watertown, N. Y.
- 1878. William E. Scofield, Greenwich, Conn.
- 1879. Lahman F. Bower, care Allis-Chalmers Company, Milwaukee, Wis.
- 1880. Abram W. Harris, Jacob Tome Institute, Port Deposit, Md.
- 1881. William E. Mead, 165 Broad Street, Middletown, Conn.

1882. Herbert P. Gerald, U. S. Patent Office, Washington, D. C.
1883. Loyal L. Davis, Glens Falls, N. Y.
1884. Edward B. Van Vleck, 151 High Street, Middletown, Conn.
(For this year, address: William A. Richard, 504 Whitney Ave.,
New Haven, Conn.)
1885. James S. Judd, Phelps Publishing Company, Springfield, Mass.
1886. John C. Clark, 32 Nassau Street, New York, N. Y.
1887. Edward S. Ninde, Detroit, Mich.
1888. Herbert L. Rich, Jacob Tome Institute, Port Deposit, Md.
1889. Charles P. Tinker, 244 East 86th Street, New York, N. Y.
1890. Lewis G. Westgate, Delaware, O.
1891. George L. Plimpton, Tilton, N. H.
1892. Edward L. Rice, Delaware, O.
1893. Walter S. Watson, Whitewater, Wis.
1894. Frederick H. Sawyer, Yalesville, Conn.
1895. Howard A. Sutton, 320 South 16th Street, Philadelphia, Penn.
1896. Francis C. Brown, 309 Broadway, New York, N. Y.
1897. William G. Giffin, 263 Willow Street, New Haven, Conn.
1898. Edward W. Thompson, 1212 Fourteenth Street, N. W., Washing-
ton, D. C.
1899. Wilbur R. Mattoon, U. S. Forestry Service, Washington, D. C.
1900. Charles E. Johnston, 139 Warrenton Avenue, Hartford, Conn.
1901. Stephen B. Hoyt, Jr., Tiffany Studios, 45th Street and Madison
Avenue, New York, N. Y.
1902. Olin F. Herrick, 4 Ashburton Place, Boston, Mass.
1903. William H. Weber, 714 West Divinity Place, New Haven, Conn.
1904. Clarence R. Hickok, Garratsville, N. Y.
1905. Howard L. Winslow, New Boston, N. H.

- May 30. Wednesday, Memorial Day,—a holiday.
- May 31. Thursday, 8:00 P. M.—Prize Debate.
- June 8. Friday,—Annual examinations will begin.
- June 21. Thursday, 8:00 P. M.—Prize Declamation Contest.
- June 22. Friday, 8:00 P. M.—Rich Prize Contest.
- June 23. Saturday, 3:00 P. M.—Baseball Game, Alumni vs. Varsity.
- June 23. Saturday, 5:00 P. M.—Preliminary meeting of Phi Beta Kappa.
- June 23. Saturday, 8:00 P. M.—Glee Club Concert.
- June 24. Sunday, 10:30 A. M.—Baccalaureate Sermon, by President Bradford Paul Raymond, D.D., LL.D.
- June 24. Sunday, 7:30 P. M.—Address, "The History and Work of Wesleyan University," by Professor William North Rice, Ph. D., LL. D.
- June 25. Monday, 9:00 A. M.—Annual Meeting of Phi Beta Kappa.
- June 25. Monday, 11:00 A. M.—Final Chapel Exercises. Announcement of award of prizes and of preliminary honors.
- June 25. Monday, 2:00 P. M.—Class Day Exercises.
- June 25. Monday, 4:00-7:00 P. M.—President's Reception.
- June 25. Monday, 6:00-9:00 P. M.—Class Reunions.
- June 25. Monday, 9:00-11:00 P. M.—Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
- June 26. Tuesday, 9:00 A. M.—Meeting of the Board of Trustees.
- June 26. Tuesday, 9:30 A. M.—Meeting of the Alumnae, Webb Hall.
- June 26. Tuesday, 10:00 A. M.—Business Meeting of the Alumni Association.
- June 26. Tuesday, 12:00 M.—Business Meeting of the Alumni Athletic Association.
- June 26. Tuesday, 12:30 P. M.—Luncheon for the Alumni and the Guests of the University. Toastmaster, Professor Caleb T. Winchester, L. H. D.
- June 26. Tuesday, 3:30 P. M.—Championship Baseball Game; Williams vs. Wesleyan.
- June 26. Tuesday, 5:00-7:00 P. M.—Social Receptions by the College Fraternities.
- June 26. Tuesday, 8:15 P. M.—Phi Beta Kappa Oration, by Martin Augustine Knapp, LL. D., Chairman of United States Interstate Commerce Commission.
- June 27. Wednesday, 10:30 A. M.—COMMENCEMENT. Addresses by Stephen Henry Olin, LL. D., and Rev. Herbert Welch, D. D., President of Ohio Wesleyan University. Conferring of Degrees.

THE



WESLEYAN UNIVERSITY BULLETIN,

MIDDLETOWN, CONN.

DECEMBER, 1906.—No. 39.

THE ENTERING CLASS this year numbers one hundred and three, as against ninety-nine last year. The size of the new class gives reason for congratulation, since there was ground for fear that the burning of North College, the principal dormitory, would seriously diminish the number of new students. The total registration is as follows: Graduate Students, 7; Seniors, 62; Juniors, 70; Sophomores, 76; Freshmen, 103; Specials, 10. Total, 328.

The celebration last Commencement of the seventy-fifth anniversary of the founding of Wesleyan University brought together an unusually large number of graduates and friends of the institution. Enthusiastic interest was displayed by every one, and renewed congratulations were exchanged that Wesleyan is well maintaining the high rank it has long held among American colleges. The opinion was freely expressed by those whose standing lends weight to their judgment, that in proportion to the number of students the equipment of Wesleyan is not surpassed by that of any similar institution in the country. From every point of view the record of the first seventy-five years is one of which all Wesleyan men may well be proud. The next twenty-five years should show an advance equally great.

The official account of the celebration will probably be published in the course of the Winter term, and may be obtained by applying to the Librarian, Mr. W. J. James. The price is one dollar, postage prepaid.

Since the beginning of the new collegiate year the contracts for the erection of North College have been awarded. The specifications call for a building that will cost \$125,000, and be modern in every respect. Details concerning the new structure appear on a following page. Here it is necessary only to remark that the new North College will be an unusually commodious and attractive dormitory and a worthy addition to the array of buildings already familiar to the constituency of Wesleyan.

During the past few months South College has been undergoing a complete transformation. Most important is the change in the first and second floors, which have been thrown together so as to afford ample accommodation for the offices of the President and the Secretary and a spacious room for the meetings of the faculty. Since the founding of the University the administrative offices have been in a sense a makeshift and have been placed where necessity seemed to dictate. The new quarters are far more in keeping with the dignity of the institution and suitably find a place in the historic old building which antedates every other structure on the Campus.

A year ago last Commencement began a movement for the raising of an Alumni Fund of two hundred thousand dollars among the graduates of the University. With slight interruption the work has progressed until somewhat more than \$114,000 has been pledged. As might be expected, marked contrasts appear in the contributions credited to various classes. Some classes have responded with much liberality; several classes have given little; some have given nothing. It is, of course, not to be expected that all graduates can bear an equal part in an enterprise of this sort, but one must be impecunious in the extreme who cannot repay to his Alma Mater at least a portion of the debt he incurred in receiving free tuition throughout his college course. If every one who was thus aided would now come forward and merely replace in the college treasury the money which was bestowed in giving him a higher education, the fund would be completed before the beginning of the new year.

But, it may be asked, why is there still need for money? The answer cannot be given here in detail, but, in a word, the reason is two-fold,—expenses are necessarily greater than ever before, while the returns, dollar for dollar, from invested funds are less than they were a few years ago. An institution of the modern type, as Wesleyan has become, cannot be maintained as cheaply as was once the case. Every new building has added to the yearly total of expenditure, yet no building has been

erected until it had become a pressing necessity, and, in general, no expense has been incurred as long as it could wisely be avoided. The fact must be recognized that the cost of maintaining the college has increased in about the same proportion and for much the same reasons that the general cost of living has increased throughout the country. The new needs call for new resources. Under these conditions, therefore, the appeal is made to all alumni to bear some part, however humble, in the raising of this Alumni Fund.

It will be seen from the abstract of the Financial Exhibit, on another page, that the total invested funds of the University now amount to \$1,447,146.68, from which the income in 1905-6 was \$70,033.92, showing an interest rate of 4.84 per cent. While the funds have increased during the past year about \$56,000, there has been a smaller income, for the interest rate has fallen .38 per cent. This shows all too clearly the pressing need of increasing the endowment funds so as to offset this falling interest rate. Deducting \$4,385.63, which is the income on annuity funds, the available income from endowment for the year was only \$65,648.29, which was less than the payments for the single item of salaries—\$66,645.50.

THE SEVENTY-FIFTH ANNIVERSARY.

The Commencement season of 1906 was one of pleasure and rejoicing. The usual round of commencement functions centered the attention of the seniors and their friends, who made sure that each function easily measured up to the standard of success and enjoyment. The notable feature of the Commencement of 1906 was the gathering of about five hundred alumni of the University to celebrate the seventy-fifth anniversary of its founding and to renew old friendships and revive old memories. One note of sadness was observed as the returning graduates made their way to the heap of ruins where North College, their student home, had once stood. From this saddened memory of the past, all turned to greet the living friends, to behold the bright indications of the growth and advancement of the University, and to contemplate the hopes of a brighter future for the beloved Alma Mater.

The glee club concert on Saturday evening was memorable because of the presence of the famous glee club of '88, which delighted the audience with several of their songs; and because of the rendering by the regular glee and mandolin clubs of a program made up entirely of numbers composed by Wesleyan men.

On Sunday morning, President Raymond's baccalaureate sermon was a thoughtful presentation of the problems of everyday life to the members of the graduating class. Professor Rice's address on Sunday evening sketched in vivid outline the notable events in the history of Wesleyan and presented clearly and forcibly the great problems with which the University has had to deal. Many will long remember the thrill of inspiration they felt as he called the roll of the splendid and heroic men who through faith wrought righteousness in founding the University and giving it years of unflinching service.

The largely attended class reunions took place during the early evening hours of Monday and were followed by an open air concert in the center of the beautifully illuminated campus. This event was enjoyed by a much larger number than any other function of the week, and only words of enthusiastic praise were heard concerning it.

Tuesday noon occurred the Commencement Luncheon, and at its close the toastmaster, Professor Winchester, introduced a number of notable speakers. The first of them was Bishop Foss, a former president of the University, whose recollections of his student days aroused the interest of every one. In the evening the Phi Beta Kappa oration of M. A. Knapp, '68, Chairman of the United States Interstate Commerce Commission, was an admirable and masterly treatment of the problems of Transportation and Combination.

On Wednesday this interesting Commencement Week closed with the very successful Commencement exercises. S. H. Olin, LL. D., '66, took as his subject, A Retrospect; and Rev. Herbert Welch, D. D., '87, President of Ohio Wesleyan University, spoke on Intellectual Progress and Faith. These forceful and earnest addresses were admirable statements of the ideals of Christian manhood which are the Wesleyan ideals. After conferring the bachelor's and master's degrees in course, President Raymond conferred honorary degrees upon twenty-one distinguished persons, most of whom were alumni of Wesleyan University.

THE REBUILDING OF NORTH COLLEGE.

The Board of Trustees, at its meeting on March 23, 1906, empowered a building committee, composed of President Raymond and Messrs. Ingraham, Coleman, Crittenden, Olin, Pearne and Sessions, to rebuild North College, which had burned on March 1. The general executive committee was given the power to approve the plans and cost of the new structure. Plans for the new building were drawn by Albro and Lindeberg of New York, which provided for a building on the same general plan as the old one but with a wing on the northern end. After

careful consideration it was decided to adopt these plans with the omission of the proposed wing and of certain expensive details. With these modifications the plans and specifications were accepted and opened to the contractors for their bids. The delays had been so serious that the building committee decided to proceed to the excavation of the cellar without waiting for the letting of the contracts. Accordingly, during August and September a force of workmen was employed by the committee under the direction of Mr. Harlow Raymond. The contract was finally let to Major Charles B. Andrus of Hartford, Connecticut, and signed on September 29, 1906. The excavation being nearly completed, the first stone of the foundation was laid at 8:15 A. M., Wednesday, October 10. Now, six weeks later, the walls are up to the water-table, which is two feet higher than in the old building; and work is being pushed as fast as the arrival of the cut stone will permit. The contract requires the building to be completed ready for occupancy on September 1, 1907. The total cost of the building will probably amount to about \$125,000.

The new building is to occupy the same site as the former one and to resemble it in general plan and appearance. Portland brownstone, cut similarly to that in Fisk Hall, will be used. The length will be 152 feet; the width 48 feet 6 inches; and the height above ground 53 feet. The first two dimensions compare closely with the old building which measured 150 feet by 52 feet, but the height of the new building is considerably greater because of the raising of the water-table to make room for the basement and because of the increased height of each of the four stories. The most notable differences in external appearance from the old building will be in the tetrastyle portico with a flight of ten granite steps at the main entrance, and in the combination of the fourth story with the attic. The north and south ends of the building will be finished alike with pilasters and entrances. The west front will correspond exactly with the east front except in the less elaborate character of the entrance.

All the foundation walls rest on a footing course of concrete, and are thickly coated with cement on the outside and then covered with coal tar pitch to the ground level. A relieving arch is to be turned in the north wall on each floor, so that the originally proposed north wing may be added at some future time if desirable. The inside of all exterior walls will be lined with hollow terra-cotta furring blocks. The basement will have a five-inch concrete pavement topped with cement, and the other four floors will be of reinforced concrete, and paved with tiles in the corridors. The roof will be slate. The partitions in the basement, corridors and stair-wells will be of hollow terra-cotta blocks.

All beams, girders and other structural work will be of open hearth medium steel. The stair cases and railings will be of iron, and the treads of slate. Six-inch slate bases with beveled tops will be placed around all walls in the corridors. In all the lavatories there will be tile flooring and walls. Four ventilators, each six inches in diameter, will be set in the roof. The finished exterior woodwork will be of number one white pine. Georgia pine will be used for flooring, the best quality of spruce for the inside work, and quartered oak for all the interior finishings.

The corridor on the first floor will be continuous from the north entrance to the south entrance, without any interrupting partitions. The three upper floors will each be divided into three non-communicating sections the same as in the old building. There will be lavatories in each of the three sections on the third floor and also in the basement. These will be equipped with wash bowls, shower baths and closets. Special care has been taken in the arrangement of rooms to meet the various demands of the students. There will be single rooms for one student and for two; there will be two-room suites of a study and a bedroom for two; and three-room suites of a study and two bedrooms for two students. All the rooms, 101 in number, will be available for the students, as all offices have now been permanently located elsewhere. The building, therefore, is planned to accommodate 104 students. The janitor's quarters, trunk-rooms, and storage-rooms will be located in the basement. The building will be lighted throughout by electricity, and heated by steam from the adjacent central heating plant.

When this new and well-equipped building is opened at the beginning of the next college year, Wesleyan students will have much better accommodations than in the old North College, though the traditions of four-score years which had hallowed the old student home will be lacking.

THE REMODELING OF SOUTH COLLEGE.

The remodeling of South College to serve as an administration building instead of its old function as a recitation building has been in progress since May and is now nearly completed. The work has been done by the firms of Mylchreest and Stone of Middletown upon plans drawn by Mr. William D. Johnson of Hartford. The old steps in front of the building and the marble slab inserted in the front wall of the building by the class of 1856 in May, 1854, were removed and the entrance to the building raised and a new flight of steps constructed as an approach. The old wooden staircases have been replaced by new ones of iron with slate treads. The seats from the basement room were removed some

time since and the room turned over to the Library for use as a store-room for duplicates. In the middle of the east side of this room a large vault with steel shelving has been constructed for the preservation of the college records which have been entrusted to Mr. W. J. James, the Librarian, as custodian. On the first floor the two small studies have been fitted up as the offices of the President and Secretary. In the latter room is an extension of the vault from the basement for the keeping of the current records and papers. One of the two former studies on the second floor above these rooms has been arranged for the use of the college stenographer, and the other as a stock room. The whole western half of the first and second floors, which formerly contained four recitation rooms, has now been thrown into a single large room to serve as the general office of the University and as the faculty meeting room. The small windows of the old rooms have been replaced by long windows extending nearly the full height of the new room. This room has been elegantly finished in quartered oak and is now the finest room on the campus. The two studies and the large lecture room which formerly occupied the third and top floor of the building have given place to four two-room suites which have been fitted up for dormitory use. It is intended to complete the improvements by replacing the wooden cupola which was built in 1856 with one constructed of fire-proof materials.

TRUSTEE MEETING.

The Board of Trustees of Wesleyan University met in annual session in Fisk Hall, Middletown, Connecticut, Monday evening, June 25, 1906, at 8:15 o'clock, President H. C. M. Ingraham in the chair.

The officers of the Board were reëlected; namely, H. C. M. Ingraham, President; Rev. D. G. Downey, Secretary; Rev. C. H. Buck, Treasurer.

President Raymond and the Treasurer of the Board presented their annual reports.

The following Trustees were reëlected, term to expire in 1912:

J. M. Buckley, F. S. Jones, H. C. M. Ingraham, J. N. Brown, S. W. Bowne, and W. U. Pearne.

J. Edgar Leaycraft was elected Trustee to fill the vacancy caused by the death of O. K. Eldredge, term to expire in 1909.

The tellers reported the result of the vote for Alumni Trustees to be that Darius Baker and David G. Downey were reëlected for five years, term of office to expire in 1912.

Professor J. M. Van Vleck was reëlected Assistant Treasurer.

The resignation of E. B. Van Vleck, Professor of Mathematics, was accepted with deep regret, and with the expression of great appreciation of his work in connection with the University.

The following appointments were made to the Board of Instruction:

Ralph C. Super, M. A., to be Instructor in Modern Languages for one year.

Robert A. Budington, M. A., to be Instructor in Biology for one year.

Harold D. Arnold, Ph. B., to be Assistant in Physics for one year.

Thomas M. Carpenter, B. S., to be Assistant in Chemistry for one year.

Miss Adrienne Van Winkle, to be Assistant Librarian for one year.

[The completion of the list of faculty appointments for the coming year, being referred to the local executive committee with power, they approved of the following appointments:

Thomas E. McKinney, Ph. D., to be Associate Professor of Mathematics for one year.

John W. Wetzel, Ph. B., to be Instructor in Public Speaking for one year.

Albert Davis, Ph. D., to be Assistant in English for one year.]

Professor Winchester was given leave of absence for the last half of the college year 1906-07.

Professor Benedict was appointed to fill the vacancy on the Board of Control of the Connecticut Agricultural Experiment Station for three years from July 1, 1906, to succeed himself.

Professor Conn was authorized to continue his work in connection with the increase of the Alumni Endowment Fund during the ensuing year.

[At the meeting of the Board of Trustees held on March 23, 1906, the President of the University was authorized to confer the following honorary degrees at the ensuing Commencement:

Master of Arts: Abram Sheekleton Kavanagh, ex-'85, Superintendent of the Methodist Episcopal Hospital, Brooklyn, New York; Robert Fulton Raymond, ex-'81, New Bedford, Massachusetts.

Doctor of Divinity: Arthur William Byrt, '86, Superintendent and Corresponding Secretary of Brooklyn Church Society, Brooklyn, New York; Andrew Jackson Coultas, Jr., '80, Presiding Elder, Providence, Rhode Island; John Galbraith, '79, Presiding Elder, Dorchester, Massachusetts; Charles Le Roy Goodell, Pastor of Calvary Methodist Episcopal Church, New York, New York; William Douglas Mackenzie, President of Hartford Theological Seminary, Hartford, Connecticut; Albert Julius Nast, '68, Editor of *Der Christliche Apologete*, Cincinnati, Ohio; Henry Clay Sheldon, Professor of Systematic Theology, Boston University,

Boston, Massachusetts; Charles Macaulay Stuart, Professor of Sacred Rhetoric, Garrett Biblical Institute, Evanston, Illinois; Alexander Harrison Tuttle, '66, Pastor of the Methodist Episcopal Church, Summit, New Jersey.

Doctor of Science: Charles Wardell Stiles, ex-'89, Chief of the Division of Medical Zoölogy, United States Public Health and Marine Hospital Service, and Professor of Medical Zoölogy, Georgetown University, Washington, District of Columbia; Edward Bennett Rosa, '86, Physicist in the National Bureau of Standards, Washington, District of Columbia.

Doctor of Laws: Darius Baker, '70, Justice of the Superior Court of Rhode Island, Newport, Rhode Island; Arthur Eugene Sutherland, '85, Justice of the Supreme Court of the State of New York, Rochester, New York; Herbert Welch, '87, President of Ohio Wesleyan University, Delaware, Ohio.]

The President of the University was authorized to confer the following honorary degrees:—Doctor of Divinity on Thompson Hoadley Landon, '52, Principal of Bordentown Military Institute, Bordentown, New Jersey; Doctor of Science on Alfred Charles True, '73, Director of Office of Experiment Stations, Department of Agriculture, Washington, District of Columbia. He was also authorized to confer the degree of Master of Arts *ad eundem gradum* on the following members of the faculty:—Francis Gano Benedict, George Matthew Dutcher, Robert Herndon Fife, Jr., and William Arthur Heidel.

The President was authorized to confer the following degrees *in absentia*: Doctor of Divinity on Nathaniel Walling Clark, '79, Presiding Elder, Rome, Italy; Doctor of Laws on Flavel Sweeten Luther, Jr., President of Trinity College, Hartford, Connecticut; Master of Arts on Alonzo Howard Clark, ex-'81, Smithsonian Institution, Washington, District of Columbia.

The following committee of five was appointed to frame a by-law concerning the conferring of degrees by the Board, and to report at the mid-year meeting:—E. G. Andrews, Darius Baker, C. D. Foss, W. V. Kelley, and G. G. Reynolds.

A committee consisting of President Raymond, A. W. Harris, D. G. Downey, W. V. Kelley, and J. E. King was appointed to investigate the subject of instruction in pedagogy and report at a future meeting of the Board. Various matters referring to the establishment of a course of study for librarians, the advisability and practicability of medical school connections or affiliations, the increase of the teaching force, and fellowships were referred to the general executive committee with instructions to report at the mid-year meeting.

The following committee was appointed to consider the question of general advance in salaries:—G. G. Reynolds, S. W. Bowne, W. E. Sessions, D. G. Downey, G. S. Bennett.

C. D. Foss and Charles Scott were appointed to represent the Board at the joint meeting of the Trustees and Alumni.

The President was requested to convey to the proper parties the thanks of the Trustees and the expression of their appreciation of the beautiful and artistic decorations and illumination of the campus and buildings during the evening of June 25, 1906.

The publication of the proceedings of the 75th Anniversary was ordered.

It was ordered that the charges heretofore made against students for cleaning rooms and removing furniture be remitted and also that lockers in the Gymnasium be furnished for freshmen and sophomores without expense.

The President was authorized to expend an amount not exceeding \$10,000, in furnishing free tuition to worthy and needy students.

The question of the system of insurance of college buildings now in effect was referred to the Finance Committee for investigation and for such action as they shall deem best.

THE FINANCES.

The following is an abridgment of the Financial Exhibit of Wesleyan University for the year ending May 31, 1906, submitted by the Treasurer of the University, Reverend C. H. Buck, D. D.:

PROPERTY OF WESLEYAN UNIVERSITY.

Real estate used by the University,	-	-	-	-	-	\$725.943	76
Equipment of buildings,	-	-	-	-	-	194,862	49
Real estate mortgages,	-	-	-	-	-	871,750	00
Railroad bonds,	-	-	-	-	-	188,669	03
Other bonds,	-	-	-	-	-	319,390	88
Bank and other stocks, real estate and life insurance policy,						99,780	62
Cash,	-	-	-	-	-	15,791	39
Balance due from Income Account,	-	-	-	-	-	30,228	44
						<u>\$2,446,416</u>	<u>61</u>

On March 1, 1906, North College, valued at \$85,000, and its contents, valued at \$480, were destroyed by fire. The loss will be partly covered by insurance (\$34,906.22).

The foregoing property represents the following funds and balances, and is answerable for the same:

University grounds, buildings and contents,	-	-	-	\$920,806	25
Endowment funds,	-	-	-	1,351,992	14
Annuity funds,	-	-	-	95,154	54
Astronomical Observatory fund,	-	-	-	37,949	28
Bills payable, loans on account of income,	-	-	-	39,000	00
Balances of Library incomes,	-	-	-	1,234	40
Harrington fund for Department of Latin,	-	-	-	280	00
				<u>\$2,446,416</u>	61

GENERAL CASH ACCOUNT—EXCLUSIVE OF INCOME.

Receipts.

Investments terminated,	-	-	-	\$83,161	77
Fayerweather Estate, on account of bequest,	-	-	-	13,529	58
E. O. Fisk, annuity fund,	-	-	-	10,000	00
Gifts to endowment funds,	-	-	-	19,987	50
Wesley Bicentennial Fund, gifts,	-	-	-	3,033	00
Astronomical Observatory fund, accrued interest,	-	-	-	1,887	16
Scott Laboratory building fund, accrued interest,	-	-	-	14	68
Increase in sundry endowment funds from income,	-	-	-	1,680	48
Balance on hand, May 31, 1905,	-	-	-	920	95
				<u>\$134,215</u>	12

Payments.

New investments,	-	-	-	\$92,391	99
Grading University grounds,	-	-	-	187	00
Scott Memorial Laboratory and its equipment,	-	-	-	2,187	69
Wesley Bicentennial fund, paid to income account,	-	-	-	2,100	00
Loans from Income Accounts for temporary investment, repaid,	-	-	-	31,583	01
Balance on hand, May 31, 1906,	-	-	-	5,765	43
				<u>\$134,215</u>	12

GENERAL INCOME ACCOUNT.

Receipts.

Tuition (including \$9,445.00 remitted),	-	-	-	\$20,472	00
Rents and other fees from students,	-	-	-	14,035	87
Laboratory fees,	-	-	-	1,407	46
Gifts for special departments,	-	-	-	1,408	00
Sale of apparatus, Department of Physics,	-	-	-	200	00
Machine shop,	-	-	-	90	77
Gymnasium,	-	-	-	69	00

Women's dormitory, - - - - -	\$2,920 92
College commons, - - - - -	4,750 40
Prizes, unendowed, gifts, - - - - -	150 00
Van Benschoten library subscriptions, - - - - -	345 00
Gifts for aid in tuition, - - - - -	960 00
Gifts for income account, - - - - -	1,750 00
Wesley Bicentennial fund, transfer from General Cash Account, - - - - -	2,100 00
Income of General, Professorship and Gymnasium funds, -	59,099 00
Incidentals and miscellaneous, - - - - -	309 95
Balance on hand against loans, May 31, 1905, - - -	29,511 56
	\$139,579 93

Payments.

Salaries, - - - - -	\$66,645 50
Maintenance and care of buildings and grounds, - -	19,679 09
Administrative expenses, printing and incidentals, - -	9,922 40
Prizes, not endowed, - - - - -	270 00
Aid to Students—tuition, - - - - -	9,445 00
Appropriations to departments, laboratories and Museum, -	2,659 99
Machine shop, - - - - -	336 39
Gymnasium, - - - - -	1,491 40
Women's dormitory, - - - - -	2,798 59
College commons, - - - - -	4,730 43
American School at Athens, - - - - -	400 00
Van Benschoten library, final payment, - - - - -	345 00
Interest advanced on investments, - - - - -	117 91
Interest on loans, - - - - -	1,966 67
Bills payable, loans on account of income, note, - -	10,000 00
Balance on hand against loans of \$39,000, - - - - -	8,771 56
	\$139,579 93

LIBRARY ENDOWMENTS.

Receipts.

Balances on hand, May 31, 1905, - - - - -	\$2,071 45
Income of Library endowments, - - - - -	4,325 60
	\$6,397 05

Payments.

Paid Librarian for bills, - - - - -	\$4,705 07
Added to principal of endowments from income, - -	457 58
Balance on hand, May 31, 1906, - - - - -	1,234 40
	\$6,397 05

SCHOLARSHIP FUNDS.

Receipts.

Income of Scholarship funds,	-	-	-	-	-	-	-	\$1,950 04
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Payments.

Paid to sundry scholars,	-	-	-	-	-	-	-	\$1,418 17
Added to principal of scholarships from income,	-	-	-	-	-	-	-	531 87
								<u>\$1,950 04</u>

PRIZE FUNDS.

Receipts.

Income of prize funds,	-	-	-	-	-	-	-	\$273 65
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Payments.

Paid prizes,	-	-	-	-	-	-	-	\$157 00
Added to principal of prizes from income,	-	-	-	-	-	-	-	96 65
Balance on hand, May 31, 1906,	-	-	-	-	-	-	-	20 00
								<u>\$273 65</u>

ANNUITIES.

Receipts.

Interest on annuity funds,	-	-	-	-	-	-	-	\$4,385 63
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Payments.

Paid annuities,	-	-	-	-	-	-	-	\$4,162 50
Added to principal of Daniel Wise Fund,	-	-	-	-	-	-	-	95 35
Paid to Income Account,	-	-	-	-	-	-	-	127 78
								<u>\$4,385 63</u>

Gifts of stocks and bonds to the amount of \$11,500 have been made during the year by Mrs. Annie M. Swift, James G. Shepherd and W. R. Walkley as additions to the scholarship and prize funds. Some readjustments have been effected in the endowments of various prize funds.

A balance of \$257.48, which remained on the Scott Laboratory Building fund, has, with the consent of Mr. Scott, been transferred on the books to the endowment funds.

ALUMNI ASSOCIATION.

The annual meeting of the Association was held on Tuesday, June 26, at 10 A. M. in Memorial Chapel, with the President, W. P. Hubbard, '63, in the chair. The following officers were elected for the year 1906-7: *President*, Daniel Dorchester, Jr., '74; *Vice-Presidents*, A. C. True, '73, John Galbraith, '79, F. H. Parker, '74; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E.

Loveland, '89; *Executive Committee*, M. B. Crawford, '74, W. U. Pearne, '74, J. F. Calef, '77, E. G. Derby, '83, S. V. Coffin, '89; *Library Committee*, C. E. Bacon, '78, as a member for a term of three years.

Darius Baker, '70, and D. G. Downey, '84, were reelected Alumni Trustees for a term of five years beginning in 1907.

The Chairman of the Alumni Finance Committee, W. B. Day, '91, announced that the report of the committee would be presented by the secretary of the committee, Professor H. W. Conn, who reported that a total of about \$113,000 had been subscribed. He spoke of the circumstances connected with his work in soliciting subscriptions to the fund and of the grounds for hope that the full amount of \$200,000 would be raised.

The following resolution offered by R. S. Douglass, '61, was adopted unanimously and a committee was appointed to communicate it to the Board of Trustees:

"*Resolved*, That the Alumni of Wesleyan University request the Trustees to petition the Legislature to amend the Charter of the University so as no longer to require membership in the Methodist Episcopal Church as a qualification for holding a position as Trustee, President of the University, or member of the Faculty." (This resolution seeks the repeal of an amendment to the Charter adopted in 1870, and the restoration of the liberal provision of the original Charter of 1831.)

ALUMNI ATHLETIC ASSOCIATION.

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel on Tuesday, June 26, at 12 M., with the President, D. L. Robertson, '78, presiding.

The following officers were elected: *President*, D. L. Robertson, '78; *Vice-President*, J. C. Wells, ex-'88; *Secretary-Treasurer*, Carl F. Price, '02, 170 Broadway, New York, N. Y.; *Assistant Treasurers*, C. L. Newton '02, H. A. Thompson, '93, Z. P. Bennett, '03. S. V. Coffin, '89 was reelected a member of the Athletic Council for a term of three years.

The membership of the Association has been considerably enlarged during the year for, after deducting expenses, the secretary-treasurer was able to pay over to the financial secretary \$804.05 for the coaching fund as compared with \$587.20 in the previous year. It is hoped to increase this total to at least \$900 during the coming year, and the outlook is promising, since before graduation the class of 1906 had subscribed \$150.

ALUMNI ASSOCIATIONS.

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.—The present officers are: *President*, A. P. Walker, '84; *Vice-President*, Rev. C. W. Holden, '79; *Secretary*, S. F. Crowell, '02, 43 Federal St., Boston, Mass.; *Treasurer*, Rev. C. H. Davis, '00; *Executive Committee*, V. B. Swett, '96, C. L. Newton, '02, F. A. Wesley, ex-'01. The twenty-fourth annual meeting and dinner will be held at Young's Hotel, Boston, Monday evening, December 3, at 6:30 o'clock.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.—The following are the present officers: *President*, F. P. Fogg, '91; *Secretary-Treasurer*, C. L. Newton, '02, 84 State St., Boston, Mass. About thirty-five were present at the first meeting of the year held at the Crawford House on October 19. It was voted to arrange a joint concert by the Wesleyan and Boston University Glee Clubs for Friday evening, November 30. The next meeting of the Club will be held in the latter part of January.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.—The officers for 1906 are: *President*, Rev. G. P. Eckman, ex-'84; *First Vice-President*, F. D. Beattys, '85; *Second Vice-President*, W. F. Randall, '80; *Secretary*, Ralph Norton, '03, Jamaica, N. Y.; *Treasurer*, W. B. Day, '91; *Executive Committee*, *Chairman*, J. E. Enstis, '74, Rev. D. G. Downey, '84, J. A. Anderson, '96, W. B. Day, '91, Ralph Norton, '03. The thirty-eighth annual meeting and dinner of the Club will be held at the Hotel Savoy, 59th Street and Fifth Avenue, on Friday evening, December 7, 1906.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.—For the current year, the officers are: *President*, C. F. Price, '02; *Vice-President*, W. F. Lindsay, ex-'96; *Secretary*, J. H. Baker, '03, 299 Broadway, New York, N. Y.; *Treasurer*, W. MacNaughten, '00. Professor Nicolson was the guest of the Club at the first meeting of the year, held in the rooms of the Graduates' Club on November 9. Sixty members were present. The next meeting will be held in January.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.—The officers of the club for the present year are: *President*, G. S. Bennett, '64; *Vice-Presidents*, L. A. Lange, '91; J. E. Jenkins, '91; *Secretary-Treasurer*, R. W. Rymer, '00, 506 Harrison Ave., Scranton, Pa. The next annual meeting will be held in Scranton, probably on Tuesday, February 19.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.—The following officers were elected for the current year: *President*, W. A. Jones, '81; *Vice-President*, Rev. J. M. Taber, Jr., '86; *Secretary*, F. R. North, '97, 175 Park St., Montclair, N. J. (removed); *Treasurer*, H. D. Crane, '03. The next annual dinner will be held in the latter part of January.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.—The present officers of the association are: *President*, Rev. J. M. King, '62; *First Vice-President*, A. C. Brunner, '79; *Second Vice-President*, C. D. Foss, Jr., '91; *Secretary*, I. C. Sutton, '00, 1218 Chestnut St., Philadelphia, Pa.; *Treasurer*, Rev. S. M. Thompson, ex-'02. The next meeting of the Club will probably be on Thursday, December 13.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.—The present officers of the association are: *President*, M. P. Hatfield, '70; *Vice-President*, A. W. Harris, '80; *Secretary*, C. H. Brown, '97, John Crerar Library, Chicago, Ill.; *Choragus*, G. B. Lufkin, '02; *Executive Committee*, Officers, and J. E. Wing, '00, G. D. Petrie, '00. Copies of the University publications and of the Argus together with the addresses of alumni in Illinois may be found at the John Crerar Library, Marshall Field Building, 87 Wabash Avenue, Chicago. The next annual meeting and banquet will probably be held on Friday, February 15, 1907.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.—The following are officers of the club: *President*, M. M. Parker, '75; *Secretary-Treasurer*, E. P. Clarke, '85, *Daily Press*, Riverside, California. The last annual meeting was held at the Saturday Morning Club, Los Angeles, on Friday, June 22, with Professor Dodge as the guest of honor.

APPOINTMENTS TO THE FACULTY.

THOMAS EMERY MCKINNEY, elected Associate Professor of Mathematics, was graduated from Marietta College with the degree of Bachelor of Arts in 1887 and of Master of Arts in 1890. He also received the degree of Doctor of Philosophy from the University of Chicago in 1905. From 1890 to 1906 he was Professor of Mathematics and Astronomy in Marietta College. He was a member of the Crocker Eclipse Expedition sent out by Lick Observatory to Alhama, Spain in 1905. In 1904 he was instrumental in the organization of the Association of Ohio Teachers of Mathematics and Science, and was the secretary of the Association until 1906. He was also elected chairman of the general executive committee of the Allied Educational Associations of Ohio for 1906-07. Professor McKinney is associate editor of *School Science and Mathematics*, (Chicago, Illinois).

JOHN WESLEY WETZEL, appointed Instructor in Public Speaking, was graduated with the degree of Bachelor of Philosophy from Southwest Kansas College in 1894. He was also graduated, in 1896, from the Cumnock School of Oratory, Northwestern University. He has been instructor in public speaking in Yale University since 1901, and in Hartford Theological Seminary since 1905.

RECENT GIFTS.

Since the publication of the May *Bulletin*, there have been received the following gifts on the Income Account: S. W. Bowne, \$1,000; J. H. Bunce, \$100; F. S. Jones, \$2,000; L. D. Mills, \$250; I. E. Palmer, \$1,000; Philip Reynolds, \$500; W. E. Sessions, \$500.

Gifts to the General Endowment Fund have been received from Mr. J. A. Develin, \$100, and from the estate of Mrs. Harriet H. Wilcox, \$20,000. Subscriptions amounting to \$18,990 have been paid in on account of the Alumni Endowment Fund. Mr. W. P. Billings has paid \$1,000, Mr. George G. Reynolds, '41, \$2,000, and Mr. C. D. Jones, \$2,500 for the establishment of scholarship funds. Eleven alumnae have subscribed amounts totaling \$187.50 for the founding of an Alumnae Scholarship Fund. Mr. W. R. Walkley, '60, has added \$32.50 to his gifts on account of the Walkley Prize Fund; and Mr. S. H. Olin, '66, has given \$1,040 for the Olin Prize.

Mr. Hanford Crawford has given to the University stocks valued at \$2,500, as a first installment of a fund to be known as the Crawford Memorial Fund, in memory of his father, Reverend Morris D'Camp Crawford, a trustee of the University from 1871 to 1896. The proceeds of this fund are to be devoted to the purchase of apparatus for the Department of Physics or to the promotion of research in that department.

Professor J. M. Van Vleck, '50, has given \$500 more to the Astronomical Observatory Fund, and has paid \$500 toward the salary of an instructor in the Department of Mathematics. Professor W. N. Rice, '65, has paid \$200 for the Museum on account of the Wesley Bicentennial Fund.

The sum of \$50 has been paid to the Alumni Library Fund by Reverend G. A. Graves, '65. The purchase of the Van Benschoten Library has been completed by the payment of nine subscriptions, amounting to \$345. Mrs. Julia Billings has paid \$100 toward the rebuilding of North College.

DEPARTMENTAL NOTES.

GREEK.—Some readjustments have been made in the department, and several new courses are being offered. Professor Hewitt has charge of the course for freshmen and also of the course in Thucydides and Herodotus for sophomores. The junior-senior reading course in Demosthenes, Pindar and Bacchylides is in charge of Professor Heidel, who also offers the five following courses which he is giving this year for the first time. Course III., Greek Prose Composition, is given for one hour through the year. Course VII., New Testament in Greek, is designed partly to

afford an introduction to New Testament Greek, and partly to acquaint the student with the spirit of recent biblical studies as illustrated by inquiries into the history of the canon, and the principles of textual criticism. This course, which counts for two hours a week during the first half-year, is followed during the second half-year by Course VIII., Theocritus and Lucian, which deals with these writers as representatives of the later Greek literature.

Course IX., Greek Civilization, is given two hours a week through the year and is elective to all juniors, whether they have studied Greek or not. This course is designed in a modest way to meet what appears to be a need of the times. Students know far too little about Greek civilization, to which everybody is constantly making reference. The lectures deal with the political institutions, the art, the religion, and the thought of ancient Greece. They are not intended to treat the subjects exhaustively, but rather to set forth and to exemplify the principles observed in these several spheres, with a view to characterize and explain the influence of Greek civilization on that of to-day.

Course XII., Plato and Aristotle, is intended primarily for graduates and is given three hours a week during the first two terms. The Republic of Plato will first be read rapidly; then certain problems of interpretation, involving a larger view of Plato's thought, will be taken up for more careful consideration. Later the first book of Aristotle's Metaphysics will be examined to ascertain the character of his reports and criticisms touching his predecessors. An attempt will also be made to exemplify the processes of textual criticism and of philological interpretation.

PUBLIC SPEAKING.—A course of about twenty lessons is offered this year, for which a credit of one-half hour for the year is allowed. In the sophomore section special attention is given to vocal training, pronunciation, articulation, and to the acquirement of a distinct and natural habit of reading and speaking. The section for juniors provides systematic practice in delivery, with special reference to the fundamental characteristics of natural speaking, namely, pause, touch, change of pitch, inflection, movement, and tone-color. The senior section affords practice in forensic speaking and in the vocal interpretation of Julius Caesar, Hamlet, and the Merchant of Venice, with special reference to argumentation and dramatic delivery.

ETHICS AND RELIGION.—Beginning this year, President Raymond will offer a course in English Bible for two hours a week during the second half-year. This course may be taken by seniors as a substitute for the required course in Evidences of Christianity or in addition to that course.

LABORATORY NOTES.

PSYCHOLOGY.—Duplicates of an improved exposure apparatus, which has been developed in the Psychological Laboratory for the study of mental processes involved in reading, have just been completed for the psychological laboratories of Yale University, Cornell University, and Smith College. This apparatus was exhibited for the first time by Professor Dodge at the spring meeting of experimental psychologists held in New Haven last April.

PHYSICS.—The second of the magnetic variometers ordered by the Department of Terrestrial Magnetism of the Carnegie Institution was completed and tested last spring under Professor Cady's supervision. The instrument is now mounted at the headquarters of the department at Washington.

A grant of \$200 was received by the Department of Physics in July from the Elizabeth Thompson Science Fund for the study of the electric arc between metals. Professor Cady has been engaged in these investigations for some months, with the help of Mr. H. D. Arnold, the Assistant in Physics.

CRYOGENIC LABORATORY.—Mention was made in the May *Bulletin* of an inquiry then in progress in the cryogenic laboratory with reference to the problem of heat absorption at the expansion valve of an air liquefier, —an inquiry which was assisted by a grant from the Hodgkins Fund of the Smithsonian Institution. The investigation is to be continued during the present college year, and an additional grant of \$250 from the Hodgkins Fund has been received to aid in its prosecution.

THE MUSEUM.

During the past summer Mr. Loper reopened a quarry in the southwestern part of the town of Durham, Conn., from which he had obtained many choice specimens of fossil fishes in former years. The locality is on the west side of Totoket Mountain. The fossils occur in a stratum of black shale between the anterior and the main trap sheet. This stratum is described as the anterior black shale, in a paper by Davis and Loper, published in the *Bulletin of the Geological Society of America*. The work last summer resulted in securing over one hundred good specimens of fossil fishes, and about twenty specimens of fronds of cycads and other vegetable remains, besides a large number of fragmentary specimens. The collection forms a very valuable accession to the Museum, which was already rich in the fossil fishes and plants of the Connecticut Triassic.

Stephen H. Olin, LL. D., '66, one of the trustees of the University, purchased in Europe during the past summer a valuable collection of Greek and Roman coins, facsimiles of coins, and copies of historical medals commemorating coronations, royal marriages, treaties, and other important events of national history. The collection is well selected and exceedingly instructive. Only a part of the collection has been received, numbering 278 pieces; the remainder has been delayed by custom-house formalities. A more detailed notice will be given when the remainder of the collection has been received and arrangements have been made for its exhibition.

PHI NU THETA CLUB HOUSE.

At the annual meeting of the society in June, the first sod was turned for the new club house on the double lot on the east side of High Street at the foot of Cross Street, and facing the campus.

In August the two dwelling houses on the site were removed. One of these houses had been occupied since the early days of the college by a succession of members of the faculty, including Professors Lane, Newhall, Rice, Westgate, Woodrow Wilson, Bradley, and Heidel. The contract for the masonry was let to Mylchreest & Sons of Middletown and for the carpentry to Stone & Son of Middletown. The corner-stone was laid on November 5th, by Professor J. M. Van Vleck, '50, and Professor W. N. Rice, '65; and it is planned to have the building ready for the annual meeting in June and entirely completed by September.

The house is to be one hundred and twenty feet long, and forty feet deep. The main part of the building will be two stories and a basement, but at the center there will be a tower rising a story higher, making the total height above the street level forty-six feet. The building is to be in the colonial style and will be constructed of New Haven brick, trimmed with Proctor marble. The plans for the house, which were drawn by Mr. Henry Bacon of New York, promise an excellent addition to the group of fraternity buildings facing the campus.

NOTES.

KAPPA RHO SIGMA.—Thirteen members of the classes of 1907, 1908, and 1909, who had been meeting informally for some time, signed the constitution of a new fraternity, Kappa Rho Sigma, on June 8, 1906. The society is a local one, and occupies the Pike House, 11 College Place.

FACULTY LEAVES OF ABSENCE.—The Board of Trustees have given Professor Winchester leave of absence for the second half of the current college year, and Professor Kuhns for the part of the year after May 1, and both are planning to spend their time in Europe. Some consequent adjustment of their class work will be made, but all of their regularly announced courses are being given.

PROFESSOR DODGE.—During the summer vacation Professor Dodge visited California at the invitation of the University of California to participate in the instruction given at its summer session, June 25-August 4. Professor Dodge gave two well-attended courses, one in General Psychology, the second on his own special subject, The Psychology of Reading. He also utilized the opportunity to study the mental phenomena occasioned in individuals and groups by the great San Francisco earthquake. On his journey out to the coast he stopped over night at Los Angeles and addressed the Wesleyan Alumni Club of Southern California at its annual meeting.

TYPHOID FEVER.—Early in November six students in the University developed cases of typhoid fever. The cases are confined to the members of three fraternities and are undoubtedly due to some infected food served at the initiation banquets of these three fraternities on October 12. There is no reason to believe that any other source of infection exists or that any further cases will develop. Unfortunately, one of the cases terminated fatally on Saturday evening, November 17, when Mr. Robert Clark Russell, '08, of Kents Hill, Maine, died in the Middlesex Hospital. A service was held in Memorial Chapel on Sunday afternoon, and at its close the faculty and students, in a body, escorted the remains to the railroad station.

INTERCOLLEGIATE DEBATES.—After some negotiations, representatives of the college debating societies of Amherst, Williams, and Wesleyan met at Springfield, Massachusetts, on June 23, 1906, and signed an agreement constituting a triangular debating league. The first debates under this agreement will be held on the evening of December 7, when Williams will debate Amherst at Amherst; Amherst, Wesleyan at Middletown; and Wesleyan, Williams at Williamstown. In each case the home team will uphold the affirmative of the question, "Resolved, that the policy embodied in the pending treaty between Santo Domingo and the United States is a desirable departure in American Diplomacy." Wesleyan's affirmative team will be Hancock, '09, Laidler, '07, and Adams, '09, alternate; and the negative team, Chamberlain, '09, Rotzel, '10, and Curtice, '08, alternate. This new arrangement has already caused an increased interest in debate in Wesleyan University, and it is

expected that the system will not only employ more men, but that it will also give them more effective training. Plans are under way for the usual debate with Syracuse University in the spring.

CONNECTICUT BACTERIOLOGICAL LABORATORY.—The work of the Laboratory which was opened at Wesleyan University in the autumn of 1905 under the direction of Professor Conn as State Bacteriologist and Mr. J. A. Newlands as his assistant has grown rapidly as the institution has become known throughout the state. In September Miss Alice Cary, who graduated from Smith College in 1906 with the degree of Bachelor of Arts, was added to the staff of the Laboratory. The Connecticut Board of Health, which has supervision of the Laboratory, voted in April to transfer to it the work of analysis of water which is also under its supervision. Accordingly the Laboratory was equipped for the purpose and the new work was begun on July 1. In September, the Board of Health appointed Mr. Newlands State Chemist, with special charge of the water analysis.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—Three bulletins, which it is hoped will be of much service to the educational institutions of the state, are about to be issued by the Connecticut Geological and Natural History Survey, of which Professor Rice is superintendent.

The first of these is a Manual of the Geology of Connecticut, in which the intention is to set forth, in a style not more technical than is necessary, what is known at present in regard to the geological structure and history of the state. The Manual will consist of four chapters; the first, on the physical geography of the state as related to its geological structure and history, by Professor Rice; the second, on the crystalline rocks, by Professor Gregory of Yale University; the third, on the Triassic formation (sandstones and traps), by Professor Rice; the fourth, on glacial geology, by Professor Gregory.

The second of these bulletins is a colored geological map of the state, upon a scale of four miles to the inch, accompanied by a brief explanatory pamphlet. This map has been prepared by Professor Gregory and Doctor Robinson of Yale University. It will be the first somewhat detailed geological map of the entire state which has been published for more than sixty years.

The third of these bulletins is a paper on the rocks of Connecticut, by Professor Barrell of Yale University. In connection with the distribution of this bulletin, suites of specimens illustrative of the rocks of the state will be sent to such of the colleges, normal schools, and high schools and academies of high grade, as will pay the transportation charges.

In the law which established the Connecticut Geological and Natural History Survey, emphasis was wisely placed upon the educational use of the work of the Survey. It is believed that these three bulletins, two of which are already in press, and the third of which will soon be completed, will be a very great help to all teachers of the physical geography and geology of the state.

Class.

RECENT COLLEGE APPOINTMENTS.

- 1879. Albert Mann, Professor of Botany, George Washington University.
- 1880. Abram Winegardner Harris, President of Northwestern University.
- 1884. Edward Burr Van Vleck, Professor of Mathematics, University of Wisconsin.
- 1885. Frederick Shenstone Woods, Professor of Mathematics, Massachusetts Institute of Technology.
- 1887. Samuel Newton Taylor, Professor of Electrical Engineering, Western University of Pennsylvania (since 1903).
- 1893. Ashley Horace Thorndike, Adjunct Professor of English, Columbia University.
- 1894. William Merrill Esten, Instructor in Meteorology and Agricultural Bacteriology, Connecticut Agricultural College.
- 1899. Herbert Spencer Davis, Thayer Scholar, Harvard University.
- 1899. Edwin Walter Kemmerer, Assistant Professor of Political Economy, Cornell University.
- 1900. Harry Torsey Baker, Instructor in English Literature and German, Beloit College.
- 1900. Arthur Wesley Browne, Assistant Professor of Chemistry, Cornell University.
- 1900. Leroy Albert Howland, Parker Fellow, Harvard University, (studying abroad).
- 1900. Clarence Hathorne Staples, Assistant in Hematology, Tufts College Medical School.
- 1901. Burton Howard Camp, Instructor in Mechanics, Harvard University.
- 1902. William Harry Clemmons, Jacobus Fellow, Princeton University (studying in University of Oxford, England).
- 1902. Clarence Lucian Newton, Instructor in Bankruptcy, Boston University Law School.
- 1903. Thomas Percival Beyer, Professor of the English Language, Hamline University.

1904. Frank Nugent Freeman, Assistant in Psychology, Yale University.
 1904. Asa Russell Gifford, Scholar in Philosophy, Yale University.
 1904. Henry Adelbert White, Instructor in English, Purdue University.
 1905. Frank Chester Becker, University Fellow in Philosophy, Columbia University.
 1906. Harold DeForest Arnold, Assistant in Physics, Wesleyan University.
 1906. George Wiley Sherburn, Tutor in English, Northwestern University.

1906.

CALENDAR.

- Sept. 27. Thursday, 9:00 A. M.—College year began.
 Nov. 28. Wednesday, 12:00 M.—Thanksgiving recess will begin.
 Dec. 2. Sunday, 9:00 A. M.—First chapel exercise after the close of the Thanksgiving recess.
 Dec. 21. Friday, 5:00 P. M.—Christmas recess will begin.
 1907.
 Jan. 3. Thursday, 7:52 A. M.—Christmas recess will end.
 Jan. 31. Thursday,—Day of Prayer for Colleges.
 Feb. 8. Friday, to Feb. 21, Thursday,—Mid-year examinations.
 Feb. 22. Friday,—Washington's Birthday,—a holiday.
 Mar. 27. Wednesday, 12:00 M.—Spring recess will begin.
 April 2. Tuesday, 7:52 A. M.—Spring recess will end.
 April 18. Thursday, 8:00 P. M.—Junior Exhibition.
 May 23. Thursday, 8:00 P. M.—Prize Debate.
 May 30. Thursday, Memorial Day,—a holiday.
 June 7. Friday,—Annual examinations will begin.
 June 21. Friday, 8:00 P. M.—Prize Declamation Contest.
 June 23. Sunday, 10:30 A. M.—Baccalaureate Sermon, by President Bradford Paul Raymond, D. D., LL. D.
 June 26. Wednesday, 10:30 A. M.—COMMENCEMENT.
 June 27. Thursday,—Examination of candidates for admission will begin.
 Sept. 25. Wednesday,—Examination of candidates for admission will begin.
 Sept. 26. Thursday, 9:00 A. M.—College year will begin.

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WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT

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NEW SERIES
VOLUME 1, NUMBER 1

A YEAR AGO last Commencement the movement to raise an additional endowment of \$200,000 among the Alumni was started. Of this sum more than \$115,000 has been subscribed, and over \$50,000 paid in. That the entire amount should be secured before Commencement is a consummation much to be desired. Those directly concerned with the administration realize keenly how urgent is the necessity of a large increase in the permanent funds, in order to meet the inevitable increase in our expenses, but many of our graduates, even of those who doubtless have a warm affection for their Alma Mater, have as yet no share in this new endowment.

Now, one thing should be clearly recognized,—of the graduates of the past thirty years or more, comparatively few can be named who have not been beneficiaries of the college to the extent of \$150 to \$300. In other words, in the time of need the University extended a helping hand and made possible the education which has been the basis for a successful career. In return it is not too much to ask that the beneficiaries of past years should repay at least a part of the debt which they then incurred. They are assuredly not ready to admit that, taken in the large, the alumni of Wesleyan are unable or unwilling to make any return. But one of the two alternatives must be true, and every alumnus ought to consider in which category he should be placed.

To state this proposition as a question is to answer it. There can be few of our graduates so reduced as to be unable to subscribe something. If every man will contribute his fair proportion, the remaining \$85,000 will be soon forthcoming. Nothing but the plea of entire inability should absolve one from this imperative obligation.

Every alumnus, whether he can help the University by gifts of money or not, can help by using his influence to increase the number of students. In recent years this matter has not received the attention which it deserves from the alumni, but it is essential that great emphasis should be laid upon it in the immediate future. With practically the present equipment, both of faculty and buildings, the University could accommodate fifty per cent. more students than at present. This year Wesleyan has 328 students, while two other New England colleges, which in equipment are practically on a par with Wesleyan, each have almost exactly fifty per cent. more students than Wesleyan.

During the first dozen years of the present administration the registration at Wesleyan increased from 230 to 350, a gain of 47 per cent. During that period one of the other colleges referred to showed scarcely any growth and the other increased only half as rapidly as Wesleyan. During the last half dozen years, however, the first of the other institutions has grown with remarkable rapidity, and the second has maintained its regular growth, while Wesleyan has failed to make a corresponding advance.

Now, where can Wesleyan's alumni work most effectively to increase the registration? Naturally in the very field from which the University has always drawn most of its students, in New England, New York, New Jersey, and Pennsylvania. There is, however, a practically unworked field from which Wesleyan ought to draw, the Middle West. At present Wesleyan has 24 students registered from outside the specified region, only 8 of whom, 2 per cent. of the total registration, are from the Middle West. One of the above mentioned colleges has more than 90 men from outside the specified region, of whom two-thirds, 12 per cent. of the total

registration, are from the Middle West. In the other case there are more than 100 from outside the specified region, of whom four-fifths, 17 per cent. of the total, are from the Middle West.

There are 150 alumni and many non-graduates of Wesleyan resident in the Middle West, and, no doubt, many know young men who are planning to enter a New England college, and might influence them to come to Wesleyan. The history and traditions of Wesleyan afford abundant reasons why her claims should be considered first by a large and important element in the population of the Middle West. It should be remembered that Wesleyan stands to-day, as she always has, in the very front rank of the strictly collegiate institutions in the country, as far as equipment and quality of work are concerned.

For several years the size of the entering class has been about 100. The time has come when the number should be increased at once to 125, and then speedily to 150. There is absolutely no reason why Wesleyan should not have an entering class next September 25 per cent. above the record. There are many reasons why this ought to be realized easily, and among these will be the opening of the new North College, with the best dormitory facilities ever available here. This desired increase means work that cannot be done at Middletown, or by the President, or Trustees, or Faculty, but must be done by Wesleyan graduates wherever they may find themselves.

An increase of 100 students paying the full annual charges of \$125, without any remission on scholarships, would mean an increased income of \$12,500, a sum equivalent to the addition of about \$250,000 to the productive endowment funds.

Wesleyan men everywhere, but especially those in the Middle West, are urged to give this problem serious consideration immediately, and to do some work toward its solution. All requests for information and publications about Wesleyan should be addressed to the Secretary of the Faculty, Professor F. W. Nicolson.

The walls of the new North College are rising rapidly, yet with a solidity that seems to assure their permanence for generations to come. At the present rate of progress the stonework should be finished by

June 15, when the construction of the roof may be begun. By the first of August the building is expected to be ready for the finished wood work. Unless some unexpected delay occurs the entire structure will be ready for occupancy at the opening of the next college year.

The new dormitory will be an unusually commodious and attractive building, and practically fire-proof. Extravagance has been avoided, yet the outlay of \$125,000 for a structure substantially reproducing the form of old North College ensures the certainty that every part of the edifice will be of the best type of modern construction.

The program of Commencement exercises specially arranged for the celebration of the Seventy-fifth Anniversary last year proved so much superior to the schedule which had been followed for many years that the Faculty recently voted to adopt it as the program for Commencement week this year. The class reunions will be held on Monday evening at six o'clock, and rooms will be reserved for each class in Scott Laboratory and arrangements made for catering if it is so desired. Following the class reunions will occur an illumination of the Campus and an open air concert. The meeting of the Alumni Association on Tuesday morning will be followed by the usual luncheon. Every alumnus is expected to return for Commencement every year, but a double welcome awaits the members of the classes which are scheduled to hold their reunions, namely '57, '82, '92, '97, '02, and '04. Last year you came to see the ruins of old North College : come this year to see the new North College.

The departmental or seminary library is coming more and more to be recognized as a necessity in conducting advanced college and graduate work, for books are as essential to the student of history, economics, literature, and philosophy as instruments are to the student in the laboratory. In a multitude of cases it is important that books should be withdrawn from general circulation and assembled in the seminary room for constant reference. On the other hand, any considerable permanent withdrawal of books from the general college library seriously impairs its efficiency for those whose need of certain books, though only occasional, is very pressing for the moment. Two or three departments

are fortunate in having libraries that afford a nucleus for an independent working collection, but there is room for much extension of even the largest of the seminary libraries thus far gathered.

The greatest need is of reference books which, for a multitude of reasons, the average student is unable to purchase. What books are needed for various departments can not be indicated in a line or two, but lists will be cheerfully furnished to any one who is interested in furthering the work of research in the University.

In the course of the present year a goodly number of department lectures by well known men have been given. To these lectures the public has in general been admitted. Such lectures afford a peculiarly helpful stimulus in college work, for they almost invariably present in a new light material standing in close relation to subjects pursued by college men. A serious obstacle in the way of making such lectures possible for all departments is that there is no lecture fund for meeting inevitable expenses. The lectures themselves are generously contributed, but the expense of travel has to be borne by somebody. In many institutions lectureships bearing the name of the founders have been established. An opportunity for accomplishing much good with a moderate expenditure of money and a large return of credit to the donor is thus offered here at Wesleyan. Many distinguished visitors to this country from abroad might easily be induced to make a brief stay at Wesleyan were it possible to offer something more than grateful acknowledgments.

The plan to establish a free Wesleyan Bed in the excellent Middlesex Hospital will doubtless meet with the immediate approval of every patron of the University. Wesleyan is fortunate in having an unusually healthful situation, yet not infrequently in the course of the last ten or fifteen years there has been a pressing need of a hospital to which a student might be taken without delay. The endowment of such a bed should amount to, at least, five thousand dollars in order to ensure an income of about \$250 a year. A good beginning has been made with subscriptions amounting to several hundred dollars. It is hoped that a

large number of small subscriptions from families now represented in the student body will be secured in time to provide the bed as early as the beginning of the next college year.

It is a matter of much regret to all Wesleyan men that Professor Benedict is about to sever his connection with the University to become Director of the Nutrition Laboratory of the Carnegie Institution of Washington, which is being established in Boston. In the course of his stay at Wesleyan, Professor Benedict has made lasting friendships with his students and his colleagues, and has won an enviable reputation as instructor and investigator. By his departure he adds one more to the considerable list of Wesleyan teachers who within the past few years have been chosen to fill elsewhere positions of greater responsibility and influence. This recognition of the high standing of the Wesleyan Faculty is a legitimate ground for congratulation, despite the fact that we have thereby been deprived of more than one man we could ill afford to lose.

Owing to his regretted and prolonged illness, Reverend Charles H. Buck, D. D., has been compelled to resign the office of Treasurer of the University, which he has filled with marked success since 1902. The Board of Trustees have elected as his successor Clinton DeWitt Burdick, of the class of 1886, who is Third Vice-President of the Title Guarantee and Trust Company, and has charge of the Brooklyn office of that company.

REBUILDING OF NORTH COLLEGE.

As reported in the December *Bulletin*, work was begun on rebuilding North College in October, but the inability to get the necessary cut stone made it impossible to carry the walls above the water-table before cold weather set in. Preparations were made for the vigorous prosecution of the work as early as possible in the spring, and during March the stone and other materials began to be delivered, so that everything was ready for beginning work the last week of the month.

At two o'clock, Monday afternoon, March 25, 1907, the ceremony of laying the corner-stone took place. Reverend Doctor Henry Baker, '64, pastor of the First Methodist Episcopal Church in Middletown, offered



LAYING THE CORNER-STONE OF NEW NORTH COLLEGE, MARCH 25, 1907.



NEW NORTH COLLEGE, FROM SOUTHEAST, MAY 21, 1907.

prayer; President Raymond made a brief and appropriate address; and Mr. W. J. James, '83, read the list of articles placed in the stone. Mr. Cephas Brainerd Rogers of Meriden, a member of the Board of Trustees, laid the corner-stone, which was the corner-stone of the original building recut. The exercises were fittingly ended by singing Frederic Lawrence Knowles's "Come raise the song for Wesleiana."

Since that date the work has been pushed energetically, so that the walls were completed to the top of the third story on May 14, as were also the steel construction for all the floors, and part of the concrete flooring. The stonework of the fourth story is progressing somewhat more slowly because of the time needed for cutting the stone for the cornice, but it will probably be completed, ready for the roof, by Commencement. As the floors are of concrete, the interior work, which was definitely started on May 13, will be pushed at the same time. It is expected that everything except the woodwork will be completed by August 1, and that the building will be entirely ready for occupancy before college opens in September.

DEMOLITION OF THE "OLD LABORATORY."

On Saturday, April 20, 1907, the "Old Laboratory" was demolished in order to furnish brick for use in the construction of the new North College. This building was erected in 1825 by Captain Partridge to serve as the gun-house of the American Literary, Scientific, and Military Academy. After the closing of the Academy in 1829 there is no record of any special use of the building until 1836, when it was fitted up for the use of Professor John Johnston, who occupied it until the opening of Judd Hall in 1871. During this time the building was known as the Chemical Laboratory. It was used as the University Chapel for a brief time in 1849, when the regular chapel room in South College was undergoing repairs. For some time after January 1872 it was used as a college commons. Later at various times parts of the building were used as an ice house, as a carpenter shop, and one room was once fitted up as an infirmary. In 1891 the building was restored to academic use as the Electrical Laboratory, and was fitted up for the work of Professor Rosa and his students. Its use by Professor Rosa and later by Professor Cady continued until the opening of the Scott Laboratory in January 1905. In December of that year the Connecticut Bacteriological Laboratory began its work in the building and continued to occupy it until April, 1907.

The building was located about seventy-five feet back from North College and measured thirty feet by fifty-five feet. It was a plain brick structure with the entrance at the eastern end. The western end was divided into several small rooms arranged in two stories. The main portion of the building consisted of a single high room, which in the old days of the Chemical Laboratory had a gallery running around it, and was entered from a small vestibule in which were the stairs leading to the gallery. The gallery and the vestibule were removed in the remodeling of the building in 1891, and various minor changes were made at other times.

TRUSTEE MEETING.

An adjourned meeting of the Board of Trustees was held at 150 Fifth Avenue, New York City, on February 7, 1907, with President H. C. M. Ingraham in the chair.

The resignation of Charles H. Buck as Treasurer of the University was accepted and the following resolution adopted:

"Resolved, That in accepting the resignation of Reverend C. H. Buck, D. D., as Treasurer of the University, as, to our great regret, we feel compelled to do, we desire in the most emphatic way to express our appreciation and thanks for the faithful and efficient service which he has rendered in that capacity, and our earnest wish that he may be restored to complete health and to his former usefulness."

Clinton D. Burdick was elected a trustee and Treasurer of the University and appointed an additional member of the Finance Committee, to take office immediately.

The resignation of Professor Benedict was accepted to take effect at the end of the college year, and he was granted leave of absence from April 1, with the understanding that he continue a supervisory relation to his department for the remainder of the year. The secretary was directed to express the appreciation of the Board to Professor Benedict for his services. Professor Conn was elected a member of the Board of Control of the Connecticut Agricultural Experiment Station in place of Professor Benedict. The title of T. M. Carpenter was changed from Assistant to Instructor, and he was given charge of Professor Benedict's classes for the remainder of the year.

The appointment of Thomas E. McKinney, Ph. D., to be Associate Professor of Mathematics for one year was confirmed.

President Raymond presented his report, and appropriate action was taken on the matters involved. Several questions were referred to various committees either for action or report. Among the latter was the scheme for increasing the shelf space in the Library.

The resolution passed by the Alumni Association at its meeting last June was presented, and the question of the proposed amendment to the charter of the University was referred to a committee composed of Messrs. Ingraham, Raymond, North, Andrews, Buckley, Reynolds, and Pearne.

The committee appointed in June to consider the question of courses in pedagogy reported in favor of establishing a course in pedagogy as soon as funds were available for the purpose, and in the meantime recommended that the Faculty make temporary provision for instruction in pedagogy without any material additional expense, and that the Faculty be authorized to arrange a supplementary course of lectures by some competent authority. This report was adopted.

The proposal to establish a course for librarians, which was referred to the General Executive Committee in June, was reported on unfavorably and the report accepted.

The Board, by a unanimous rising vote, expressed its congratulations to George G. Reynolds, the day being his eighty-sixth birthday.

The Trustees adopted a minute, drafted by J. M. Buckley, expressing their regret at the death of Orris King Eldredge, who had been a member of the Board since 1903, and conveying their sympathy to Mrs. Eldredge.

APPOINTMENT TO THE FACULTY.

Thorne Martin Carpenter, appointed to be Instructor in Chemistry, was graduated from Massachusetts Agricultural College at Amherst in 1902 with the degree of Bachelor of Science. He was assistant chemist in the Pennsylvania Experiment Station, State College, Pennsylvania, in 1901-02; and in the Hatch Experiment Station at Amherst, Massachusetts, in 1902. From 1902 to 1905 he was assistant chemist and assistant expert in animal nutrition in the Pennsylvania Experiment Station. Since 1905 he has been research chemist under the Carnegie Institution of Washington and scientific assistant in the United States Department of Agriculture, being stationed at Middletown. He was appointed assistant in Chemistry in Wesleyan University in 1906. In this position his work was in connection with the classes of Professor Benedict, and upon Professor Benedict's departure, he was promoted to be instructor and placed in charge of the classes for the remainder of the year.

RECENT GIFTS.

Since the publication of the December *Bulletin*, there have been received the following gifts on the Income Account: William H. Burrows, \$100; Margaret S. Hubbard, \$1,000; Frank S. Jones, \$2,000.

There has been paid in on the Alumni Endowment Fund \$11,460, including \$8,000 from G. S. Bennett, '64; a further payment of \$155 has been received from the Fayerweather Estate. James G. Shepherd has added \$1,000 to the Shepherd Scholarship Fund, and Professor J. M. Van Vleck, '50, has added \$1,500 to the Astronomical Observatory Fund. R. S. Douglass, '61 has made a further payment of \$200 to the Alumni Library Fund. Hanford Crawford has added \$250 to his gift to the Department of Physics; and James C. Graham, '90, has given \$100 to the Department of Geology. Payments of \$700 have been received on the Undergraduate Building Fund for North College, and F. H. Smith, ex-'50, has contributed \$100 for the rebuilding of North College. W. E. Walker has given \$300 for aid in tuition, and E. W. Griswold, \$11.59, for the Library.

A further appropriation of \$250 has been received from the Hodgkins Fund of the Smithsonian Institution for the Cryogenic Laboratory.

DEPARTMENT NOTES.

LATIN.—If a sufficient number of students desire it, a course in Roman Political Institutions and Law will be substituted for the course in Roman Topography next year. In either case the course will count but one hour a week.

GERMAN.—In addition to the John Bell Scott Prize, which is given this year in the Department of German, a friend of Wesleyan University offers for the present year, with the promise of continuance in succeeding years, a prize of twenty-five dollars to the best student in German in the senior class. The prize will be awarded by competitive examination covering the work of Course IX., Modern German Literature. All seniors who have taken or are now taking this course are eligible to compete.

ENGLISH LANGUAGE.—There will be offered next year a two hour course, open to juniors and seniors, in the history of English fiction. This course will deal with the principles of construction which mark off the novel from other forms of narrative composition, and will consider the work of the great representative writers of fiction. Courses of reading of selected fiction will be assigned.

HISTORY.—The subject to be studied by the Historical Seminary next year will be the Administration of Andrew Johnson. It is the intention to follow this in successive years with further studies in the history of the United States during the Reconstruction period. With this plan in view the Department is purchasing such books upon the period as the small library appropriation will permit. If any friends of the University are willing to aid in the formation of a suitable collection of books, pamphlets, and newspapers relating to the period of Reconstruction, they are requested to communicate with Mr. W. J. James, the Librarian of the University.

CHEMISTRY.—As elsewhere announced, Professor F. G. Benedict, who has been associated for twelve years with this department, will sever his connection with the University at the close of the college year. His chief work here has been that of research with the respiration calorimeter, and the prosecution of inquiries in human nutrition. In his chosen specialty he is to-day an authority, and he leaves the University to become the Director of the Nutrition Laboratory of the Carnegie Institution of Washington, for which a special building is now in process of erection in Boston.

Soon after Dr. Benedict came to Wesleyan University to co-operate with Professor Atwater in these investigations, he began to share in the class instruction in Chemistry, being Instructor from 1896 to 1901, Associate Professor from 1901 to 1905, and Professor from 1905 to 1907.

By special arrangement he was granted leave of absence for the last three months of the college year, and he has been in Europe since the end of March on business connected with his new position. His class work for the remainder of the year is being very acceptably cared for by Mr. T. M. Carpenter, who has been promoted from Assistant to Instructor in Chemistry.

FACULTY LECTURES AND PUBLICATIONS.

PRESIDENT RAYMOND. — *Sermons*.—The Student and the Church. First Methodist Episcopal Church, Middletown, September 30, 1906.

The Certitude that Springs from Experience. Elm Park Methodist Episcopal Church, Scranton, Pennsylvania, April 28, 1907.

The Christian Conscience and the Sunday Question. First Congregational Church, Middletown, May 5, 1907.

Baccalaureate Sermon. Lakeville High School, Lakeville, New Jersey, May 28, 1907.

PROFESSOR RICE. — *Lectures*.—The Decline of Evangelism in the Methodist Episcopal Church. Camp-meeting and Epworth League Assembly, Sterling Junction, Massachusetts, August 21, 1906.

The Contributions of America to Geology: Address of retiring Vice-President and Chairman of Section E, American Association for the Advancement of Science, New York, New York, December 27, 1906. (Published in *Science*, v. 25, pp. 161-175, February 1, 1907; abstract published in *Nature*, v. 75, pp. 354-355, February 7, 1907. To be published in the Proceedings of the American Association for the Advancement of Science.)

The Church and the Kingdom of Heaven. New Haven District Ministerial Association, New Britain, February 12, 1907.

The Grand Cañon of the Colorado. Bridgeport Scientific Society, Bridgeport, February 18, 1907.

Publications.—Manual of the Geology of Connecticut (with H. E. Gregory). Pp. 273. Bulletin 6, Connecticut Geological and Natural History Survey, Hartford, 1906.

Second Biennial Report of the State Geological and Natural History Survey. Pp. 23. Bulletin 9, Connecticut Geological and Natural History Survey, Hartford, 1906.

Is Belief in Immortality Dying Out? *Homiletic Review*, v. 53, pp. 189-190, March, 1907.

PROFESSOR WINCHESTER. — *Publications*. — Arthur Hugh Clough. *Methodist Review*, v. 88, pp. 716-732, September-October, 1906.

What the Pew Needs from the Pulpit. *Homiletic Review*, v. 53, pp. 88-91, 168-172, February and March, 1907.

PROFESSOR CONN. — *Lectures*.—Insects as Distributors of Disease. Connecticut Agricultural College, Storrs, July 17, 1906.

Invisible Friends. Sterling, Massachusetts, November 9, 1906; Glens Falls, New York, January 19, 1907.

Physiological Self-Reliance. Bridgeport Scientific Society, Bridgeport, January 14, 1907.

The Bacteria in Milk. New Haven Medical Association, New Haven, January 2, 1907.

Addresses given before the academies in Cazenovia, New York; Lima, New York; Poultney, Vermont; Bordentown, New Jersey; and Pennington, New Jersey.

Publications.—Classification of Dairy Bacteria. Annual Report of the Storrs Agricultural Experiment Station, 1906, pp. 91-203.

The Bases of Bacteriology. *The Country Gentleman*, v. 72, February-May, 1907.

PROFESSOR ARMSTRONG.—*Lecture*.—Recent Progress in Ethics. Middlesex Congregational Association, Cromwell, December 11, 1906.

Publications.—Individual and Social Ethics. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 4, pp. 119-122, February 28, 1907.

Impressions of French Culture. *Methodist Review*, v. 89, pp. 242-252, March-April, 1907.

Review of Rouvier's *L'Enseignement public en France au début du XX^e. Siècle*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 3, pp. 415-416, July 19, 1906.

Review of Eucken's *Beiträge zur Einführung in die Geschichte der Philosophie*. *Philosophical Review*, v. 15, pp. 435-436. July, 1906.

Review of Siebert's *Geschichte der neueren deutschen Philosophie seit Hegel*. *Philosophical Review*, v. 16, pp. 83-86. January, 1907.

PROFESSOR MEAD.—*Lecture*.—The Origin of Place Names in Connecticut. Middlesex County Historical Society, Middletown, December 18, 1906.

Publication.—The American Dialect Dictionary, *Dialect Notes*, v. 3, part 2, pp. 168-171, 1907.

At the annual meeting of the American Dialect Society in New Haven in December, 1906, Professor Mead was reelected Secretary of the Society and is, therefore, *ex officio* Editor of *Dialect Notes*.

PROFESSOR HARRINGTON.—*Lectures*.—Music and Religion. Biennial Convention of the Epworth League of the Northern New York Conference, Rome, New York, September 28, 1906.

Greetings from Wesleyan University to the Norwich Free Academy on the Fiftieth Anniversary of its Opening. Norwich Free Academy, Norwich, October 22, 1906.

The Latinity Fetish. American Philological Association, Washington, D. C., January 2, 1907.

A Roman Country Gentleman of the First Century. Wells College, Aurora, New York, April 5, 1907.

Lectures before the seminaries at Kent's Hill, Maine, and Bucksport, Maine.

Publication.—The Classification of Latin Conditional Sentences. Proceedings of the American Philological Association, v. 36, pp. xli-xliii, 1905.

MR. JAMES.—*Publication*.—The Printed Catalog Cards of the Library of Congress: Further Comparisons of Use. *Library Journal*, v. 31, pp. 262-263, June, 1906.

PROFESSOR NICOLSON. — *Publication*. — Catalogue of Connecticut Gamma of Phi Beta Kappa, 1845-1906. Pp. 142. Middletown, Pelton & King, 1907.

PROFESSOR BRADLEY. — *Lectures*. — Liquid Air. Technical High School, Springfield, Massachusetts; Connecticut Literary Institute, Suffield; Worcester Academy, Worcester, Massachusetts.

Modern Views of Matter. Woonsocket Teachers' Association, Woonsocket, Rhode Island, February 12, 1907.

Low Temperature Investigations in the Cryogenic Laboratory of Wesleyan University. Society of Sigma Xi, New Haven, March 21, 1907.

PROFESSOR KUHS. — *Lectures*. — The Church and the World. First Methodist Episcopal Church, Middletown, November 18, 1906.

John Huss. South Congregational Church, Middletown, February 17, 1907; First Methodist Episcopal Church, Middletown, May 19, 1907.

Medieval Animal Stories. East Berlin, February 6, 1907.

Publications. — Saint Francis of Assisi. Pp. 38. New York, Thomas Y. Crowell & Company, 1906.

A Genealogical Trip to Switzerland. *Pennsylvania German Magazine*, v. 7, pp. 311-312, October, 1906.

PROFESSOR MCKINNEY. — *Lectures*. — Continued Fractions Depending on a Variable Parameter and Representing Properly (and Improperly) Equivalent Numbers. American Mathematical Society, New York, New York, December 29, 1906.

The Conditions that the Root-Points of a Quantic be Concyclic. American Mathematical Society, New York, New York, April 27, 1907.

Continued Fractions Depending on a Variable Parameter and Representing Quadratic Irrationalities. American Mathematical Society, New York, New York, April 27, 1907.

PROFESSOR HEIDEL. — *Publications*. — The $\Delta\iota\eta$ in Anaximenes and Anaximander. *Classical Philology*, v. 1, pp. 279-282, July, 1906.

Notes on Philolaus. *American Journal of Philology*, v. 28, pp. 77-81, January-March, 1907.

The Type as the Subject of Greek Art. *Methodist Review*, v. 88, pp. 565-577, July-August, 1906.

Review of Harvard Studies in Classical Philology, volume 16. *Classical Philology*, v. 1, pp. 190-191, April, 1906.

Review of Berg's Metaphor and Comparison in the Dialogues of Plato. *Classical Philology*, v. 1, p. 305, July, 1906.

Review of Harrison's Religion of Ancient Greece. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 3, p. 384, July 5, 1906.

Review of Newbold's *Philolaus*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 3, pp. 582-584, October 11, 1906.

Review of Raeder's *Platons Philosophische Entwicklung*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 3, p. 582, October 11, 1906.

Review of Raeder's *Platons Philosophische Entwicklung*. *Philosophical Review*, v. 16, pp. 184-190, March, 1907.

PROFESSOR BENEDICT.—*Lectures*.—The Respiration Calorimeter and Factors of Human Nutrition. University of Wisconsin, Madison, Wisconsin, January 3, 1907.

Metabolism during Inanition. Harvey Society, New York, New York, January 12, 1907.

Lectures at New Britain; Wilbraham, Massachusetts; and East Greenwich, Rhode Island.

Publications.—The Nutritive Requirements of the Body. *American Journal of Physiology*, v. 16, pp. 409-437, August, 1906.

The Determination of Water in Proteins (with Miss C. R. Manning). *American Journal of Physiology*, v. 18, pp. 213-221, April, 1907.

The Analysis of Urine in a Starving Woman (with A. R. Diefendorf). *American Journal of Physiology*, v. 18, pp. 362-376, May, 1907.

The Elimination of Creatinine in Women (with V. C. Myers). *American Journal of Physiology*, v. 18, pp. 377-396, May, 1907.

The Determination of Creatine and Creatinine (with V. C. Myers). *American Journal of Physiology*, v. 18, pp. 397-405, May, 1907.

The Elimination of Creatine (with V. C. Myers). *American Journal of Physiology*, v. 18, pp. 406-412, May, 1907.

The Heat of Combustion of Vegetable Proteins (with Thomas B. Osborne.) *Journal of Biological Chemistry*, v. 3, pp. 119-133, May 1907.

The Rate of Combustion and Pressure Developed in a Calorimetric Bomb (with F. P. Fletcher). *Journal of the American Chemical Society*, v. 29, May, 1907.

The Influence of Inanition on Metabolism. Publication 77, The Carnegie Institution of Washington. Washington, 1907. (In press.)

Experiments on the Metabolism of Matter and Energy in the Human Body (with R. D. Milner). Bulletin 175 of the Office of Experiment Stations, United States Department of Agriculture. (In press.)

PROFESSOR DODGE.—*Lectures*.—The Exposure Time in Tachistoscopic Experiments. American Psychological Association, New York, New York, December 28, 1906.

A Psychological Analysis of Sympathy. Clark University, Worcester, Massachusetts, January 25, 1907; Philosophical Club, Yale University, New Haven, January 29, 1907.

The Psychology of Language. Joint meeting of the Association of Classical and High School Teachers of Connecticut and the Connecticut Branch of the New England Modern Language Association, New Haven, February 16, 1907.

Publication.—An Improved Exposure Apparatus. *Psychological Bulletin*, v. 4, pp. 10-13, January 15, 1907.

PROFESSOR CADY.—*Lectures.*—Die Elektrizität im täglichen Leben. St. Paul's German Lutheran Church, Middletown, November 8, 1906.

Electricity in our Daily Life. St. Andrew's Chapel, Middletown, February 5, 1907.

The Hissing Point of the Metallic Arc. American Physical Society, New York, New York, December 29, 1907.

Note on the Arc between Metallic Electrodes. American Physical Society, New York, New York, March 2, 1907.

Publications.—A Direct recording Declinograph. *Terrestrial Magnetism*, v. 11, pp. 145-152, September, 1906.

Ein Magnetischer Deklinograph mit selbsttätiger Aufzeichnung. *Physikalische Zeitschrift*, v. 7, pp. 710-713, October 15, 1906.

A Machine for Componuding Sine Curves. *Science*, v. 23, p. 877-881, June 8, 1906.

The Iron Arc. *Nature*, v. 74, pp. 443-444, August 30, 1906.

The Magnetite Arc. *Electrician*, v. 58, p. 816, March 8, 1907.

PROFESSOR FIFE.—*Lectures.*—Lectures at Wyoming Seminary, Kingston, Pennsylvania, and before the High Schools of Scranton, Pennsylvania; Wilkes-Barre, Pennsylvania; Binghamton, New York; Montclair, New Jersey; and Hoboken, New Jersey.

Publication.—Jean Paul Friedrich Richter and E. T. A. Hoffmann: a Study in the Relations of Jean Paul to Romanticism. *Publications of the Modern Language Association of America*, v. 22, pp. 1-32, March, 1907.

MR. BUDINGTON.—*Lectures.*—Morphology of the Cœlenterata. (Five lectures.) Marine Biological Laboratory, Woods Hole, Massachusetts, July 9-13, 1906.

Embryology of the Cœlenterata. (Three lectures.) Marine Biological Laboratory, Woods Hole, Massachusetts, August 13-15, 1906.

DOCTOR STEPHENS.—*Lectures.*—Note on a System of Curves of Class n and Order $(n-1)$. American Mathematical Society, New York, New York, December 29, 1906. (Part of an article, On a System of Parastroids, to be published in the *Annals of Mathematics*, July 1907.)

A Quintic with Three Parallel Tangents in any Direction. American Mathematical Society, New York, New York, February 23, 1907.

Publication.—Note on the Quartic. *American Mathematical Monthly*, v. 14, pp. 65-67, April, 1907.

PROFESSOR DUTCHER.—*Lectures.*—The Relation of Biography to the Teaching of History. Department of Economics and History, High School Teachers' Association of New York City, New York, New York, January 5, 1907. (Abstract to be published in the annual report of the Association.)

The American Historical Association and its Work. Middlesex County Historical Society, Middletown, January 15, 1907.

Publications.—Editor of Sir William Wilson Hunter's Brief History of the Indian Peoples, from the twenty-third English edition. History of the Nations series, v. 5, pp. I-XIII, 1-310. Philadelphia, 1907.

The Opening of Tibet; The Currency Question in India; Famines of India. (Three articles.) History of the Nations series, v. 5, pp. 377-389. Philadelphia, 1907.

Review of Mémoires du Comte Valentin Esterhazy. *American Historical Review*, v. 11, pp. 935-936, July, 1906.

Review of the Memoirs of the Count de Cartrie. *American Historical Review*, v. 12, pp. 376-377, January, 1907.

MR. CARPENTER.—*Lecture.*—The Respiration Calorimeter. Home Economic Association, Philadelphia, Pennsylvania, November 14, 1906.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES.

Sermon and Address, Baccalaureate Sunday, First Methodist Episcopal Church:

June 24, 1906.—President Raymond: "Did not our hearts burn within us while he talked with us by the way and while he opened to us the scriptures?"—Luke 24, 32.

Professor Rice: The History and Work of Wesleyan University.

Toasts, Commencement Luncheon, Fayerweather Gymnasium:

June 26, 1906.—Professor Winchester, *Toastmaster.*

Reverend Bishop Cyrus David Foss, '54: The Old Faculty.

Honorable Arthur Eugene Sutherland, '85: Town and Gown.

Reverend Daniel Dorchester, Jr., '74: Wesleyan in the Church.

Professor Charles Hubbard Judd, '94: The Teaching Profession.

Professor Charles Macaulay Stuart, Garrett Biblical Institute: The Liberty of Prophesying.

Phi Beta Kappa Oration, The Middlesex:

June 26, 1906.—Honorable Martin Augustine Knapp, Chairman of United States Interstate Commerce Commission: Transportation and Combination.

Commencement Addresses, The Middlesex:

June 27, 1906.—Doctor Stephen Henry Olin, New York, New York: A Retrospect.

President Herbert Welch, Ohio Wesleyan University: Intellectual Progress and Faith.

Sermons and Addresses, Memorial Chapel:

January 9, 1907.—Reverend Bishop James Whitford Bashford, Shanghai, China: China.

January 31, 1907.—Reverend Frederick Watson Hannan, Brooklyn, New York: The Power of the Gospel; a Sermon on the Day of Prayer for Colleges.

May 12, 1907.—President Raymond: The Teaching of Jesus concerning Sabbath Observance.

Lectures before the Department of Philosophy, Fisk Hall:

December 4, 1906.—Professor John Edward Russell, Williams College: Pragmatism as the Salvation from Philosophic Doubt.

January 15, 1907.—President William Douglas Mackenzie, Hartford Theological Seminary: Recent Discussions of the Problem of Immortality.

March 14, 1907.—Professor Edmund Clark Sanford, Clark University: The Rôle of the Several Senses in the Mental Life.

Lectures before the Department of History, Fisk Hall:

March 2, 1907.—Professor Henry Augustus Sill, Cornell University: Ferdinand Lassalle.

March 18, 1907.—Professor Edwin Walter Kemmerer, Cornell University: The United States in the Philippines.

April 20, 1907.—Professor George Hubbard Blakeslee, Clark University: Present Political Conditions in Russia.

Lectures before the Classical Club, Fisk Hall:

(President, J. W. Northrop, Jr., '07; Secretary, R. S. Curtice, '08.)

December 10, 1906.—Professor Frank Gardner Moore, Dartmouth College: The Range of Latin Studies.

January 24, 1907.—Professor Paul Victor Christopher Baur, Yale University: Pre-Roman Antiquities in Spain.

Lectures before the Middletozen Scientific Association, Scott Laboratory:
(*President*, Professor Cady; *Secretary*, Mr. Carpenter.)

June 12, 1906.—Professor Bradley: An Air Liquefier for Use in Classroom Demonstration.

Professor Benedict: The Respiration Calorimeter and Factors of Human Nutrition.

October 9, 1906.—Doctor Alfred Charles True, Director of the Office of Experiment Stations, United States Department of Agriculture: The Educational Work of the United States Department of Agriculture.

November 13, 1906.—Professor Henry Sylvester Jacoby, Cornell University: The Relation of Science to Bridge Engineering.

December 11, 1906.—Doctor James Mortimer Keniston, Connecticut Hospital for the Insane: Epilepsy and its Treatment.

January 8, 1907.—Mr. James Andrew Newlands, Chemist, Connecticut State Board of Health: The Contamination of Drinking Water.

Professor Conn: The Work of the State Bacteriological Laboratory.

February 12, 1907.—Professor Rice: The Contribution of America to Geology.

March 12, 1907.—Professor Ernest Fox Nichols, Columbia University: The Pressure Due to Radiation.

April 9, 1907.—Professor Bradley: Kerosene.

May 14, 1907.—Professor Dodge: Visual Astigmatism and its Correction.

Papers and Talks before the Apostles' Club:

(*President*, Professor Fife; *Secretary*, Professor Hewitt.)

October 9, 1906.—Professor Dodge: Some Mental Effects of the San Francisco Earthquake.

November 16, 1906.—Mr. Super: Life and Literature in Spain.

December 13, 1906.—Professor Harrington: Can the Dry Bones of the Classics Live?

January 11, 1907.—Professors Dodge, Dutcher, Fife, Harrington and James: Reports from the holiday meetings of learned societies.

February 7, 1907.—Professor Winchester: The Teaching of English Literature in College Classes.

March 15, 1907.—Professor Dutcher: Recent Progress in Canada.

April 23, 1907.—President Raymond: Apocalyptic Literature.

May 10, 1907.—Mr. James: New England Books of the Seventeenth Century.

JUNIOR EXHIBITION.

The annual Junior Exhibition was held in Memorial Chapel on the evening of April 18. Eight orations were presented by members of the junior class. The committee of award, consisting of Reverend Richmond Fisk, D. D., Reverend Philip Mercer Rhinelander, M. A., and Mr. William Walter Wilcox, B. A., gave the first prize to Robert Waterman Rice, of Boston, Massachusetts, for an oration entitled, *The Dawn of Freedom in Russia*, and the second prize to Arthur Gerald Hubert Power, of St. Louis, Missouri, whose subject was, *An Unhonored Hero*.

LIBRARY.

Since the report published in the *Bulletin* for May, 1906, the endowment of the library has been increased by the payment of subscriptions amounting to \$250, and by the transfer from income of \$457.58. The total endowment is \$86,663.46.

The number of volumes accessioned from May 1, 1906, to April 30, 1907, was 2,498. They were obtained as follows: by purchase, 1,130; by binding periodicals, 366; by exchange, 49; by gift, 953; deducting 21 volumes, exchanged or sold, there remains a net addition of 2,477 volumes. The total number of volumes in the library at the present time is 75,500.

Among the more important accessions of the year are the following; *Bulletin of the American Mathematical Society*, vols. 1-12; *Vierteljahrsschrift für wissenschaftliche Philosophie*, vols. 1-29; *Hermes*, vols. 1-40; Thoreau, Writings (Walden edition), 20 vols; Aristoteles, Opera edidit Academia regia Borussica, 5 vols; Commentaria in Aristotelem Graeca, vols. 1-7, 9-23, and supplement, vols. 1-3; *Monist*, vols. 1-15; *Journal of American Folk Lore*, vols. 1-18; *Economic Review*, vols. 1-15; Catalogue of the Printed Books in the Library of the British Museum, and supplement (bound in 93 vols.); Sumner, Works, 15 vols; Nietzsche, Werke, 15 vols., and Gesammelte Briefe, vols. 1-3; Pauly-Wissowa, Real-Encyclopädie der classischen Alterthumswissenschaft, vols. 1-5; *American Journal of Theology*, vols. 1-8; Walpole, Letters (Toynbee edition), 16 vols; *Petermanns Mittheilungen*, 1855-1894, and Ergänzungsbände, vols. 1-19; Grosart editions of the works of John Donne, Christopher Harvey, George Herbert, and Sir Philip Sidney; Godefroy, Dictionnaire de l'ancienne langue française, 10 vols; Sitzungsberichte der philosophisch-philologischen und der historischen classe der k. b. Akademie der Wissenschaften zu München, 1871-1898; Blair and Robertson, *Philippine Islands*, 1493-1898, vols. 35-49.

From May 1, 1906, to April 30, 1907, 4,926 books and periodicals were drawn from the library for home use. In addition, 1,100 volumes were withdrawn from general circulation and reserved for special use either in the library or in seminary rooms. The current numbers of 52 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

During the same period there were presented to the library 995 bound volumes, 4,570 pamphlets and numbers of periodicals, and 135 maps.

Mr. E. W. Griswold of Middletown has given \$11.59 for the purchase of books of current interest. In addition he has presented a number of volumes. Among the other donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut, Maine, and New York, the Carnegie Institution, the Connecticut State Board of Education, the Field Museum of Natural History, the National Prison Association, the Tuttle, Morehouse & Taylor Co., the Pennsylvania Steel Co., and the following individuals: B. P. Adams, '07, Prof. A. C. Armstrong, Prof. F. G. Benedict, Hon. F. B. Brandegee, A. C. Bruner, '79, Hon. O. V. Coffin, Prof. M. B. Crawford, '74, R. S. Douglass, '61, L. R. Hazen, Prof. W. A. Heidel, Prof. J. W. Hewitt, Mrs. W. N. Hill, W. J. James, '83, President B. P. Raymond, B. A. Rich, '78, Hon. N. D. Sperry, G. H. Stephens, ex-'81, Rev. J. C. Thomas, Mrs. and Miss Townsend, Prof. C. T. Winchester, '69.

A year ago the employment of an additional cataloguer was authorized, and in September, Miss Mary A. Richardson began work on the Hunt Library, 1900 volumes of which have now been catalogued.

MUSEUM.

The December *Bulletin* contained a preliminary notice of a valuable collection of coins and historical medals presented to the Museum by Stephen Henry Olin, LL. D, '66. The collection includes 473 pieces, which may be classified as follows: 9 Greek coins, 10 electrotypes of Greek gold coins, 35 electrotypes of Greek silver coins, 64 Roman coins, 86 papal medals, 20 Italian bronze medals, 54 French bronze medals, 104 copies of German medals, 37 early English silver coins, 27 miscellaneous silver medals, and 27 other medals of various sorts.

The collection as a whole is an exceedingly instructive one. Many of the medals are exquisite works of art. Many of the historical medals commemorate important historical events, and reveal in a wonderfully interesting way the point of view of the popes, sovereigns, or other personages by whose order the medals were produced. In some cases the

views and feelings expressed in the medals show the character of an age and a stage of civilization which have passed away. Striking examples of this sort are the medals which glorify the Massacre of Saint Bartholomew and other acts in the persecution of the Huguenots.

The collection has been placed on exhibition in the lower hall of the Museum. The cases, which are also the gift of Doctor Olin, are table cases built of ebonized whitewood and lined with dark red cloth. The collection, as now installed, forms one of the most attractive exhibits in the Museum.

LABORATORY NOTES.

PHYSICS.—Work on the electric arc between metals, mention of which was made in the December *Bulletin*, has now been carried nearly to a conclusion by Professor Cady and Mr. Arnold, with the assistance of a grant from the Elizabeth Thompson Science Fund. The abrupt change that was first detected under certain conditions in the burning of the iron arc has been the chief object of inquiry, and has been investigated for arcs having electrodes of several other metals besides iron. The investigation has a bearing on the relation between the electric arc and the glow discharge through rarefied gases.

A Chicago firm has undertaken the manufacture of the machine for compounding sine curves, patterned after the original model designed by Professor Cady last year. This machine, which is intended primarily for class-room demonstration, will soon be placed on the market.

CRYOGENIC LABORATORY.—Another air liquefier, similar to the one sent last year to Harvard University, has been constructed in this laboratory and was installed last January in the physical laboratory of the Sheffield Scientific School, Yale University. Recent communications indicate that it is giving excellent satisfaction. For lack of the requisite time, Professor Bradley has declined applications from other quarters for similar service.

The inquiry relative to the flow of air under high pressure through a nozzle, which has been carried on by Professor Bradley and Mr. C. F. Hale for two years under grants from the Hodgkins Fund of the Smithsonian Institution, has now been completed. The general result may be summarized in the statement that the absorption of heat which occurs at the moment of expansion is due to the so-called Joule-Thomson effect, but that the formulas which apply in the case of low pressures require considerable modification when high pressures are employed. The determination of these formulas is a matter of fundamental importance for a correct understanding of the functioning of a modern air liquefier.

DEBATE.

The season of 1906-07 has been one of unusual activity and interest in debate at Wesleyan. Among the reasons for this are the new Triangular Debating League formed by Amherst, Williams, and Wesleyan, and the newly organized contest for the inter-class debating championship.

The first debates under the Triangular League were held December 7, 1906. Williams debated with Amherst at Amherst; Amherst with Wesleyan at Middletown; and Wesleyan with Williams at Williamstown. In each case the home team upheld the affirmative of the question: Resolved, That the policy embodied in the pending treaty between Santo Domingo and the United States is a desirable departure in American diplomacy. Wesleyan's affirmative team consisted of Hancock, '09; Laidler, '07, and Adams, '07, alternate; and her negative team of Chamberlain, '07, Rotzel, '10, and R. S. Curtice, '08, alternate. In this series Amherst won the championship, both her affirmative and negative teams securing victories; Wesleyan came second with one victory gained by her negative team, and Williams, last, losing both debates.

On April 12, 1907, in Middletown, occurred the annual debate with Syracuse University, in which Wesleyan was victorious for the fourth successive time. The home team had the negative of the question: Resolved, That the sixtieth congress should proceed to a general review of the present tariff schedule for the purpose of reducing duties. The Wesleyan team consisted of Chamberlain, '07, Laidler, '07, and Power, '08, the three alternates being Barbour, '09, R. S. Curtice, '08, and Hancock, '09.

Wesleyan teams have contested twelve intercollegiate debates and have been victorious in nine of them.

The second innovation in debate this year has been the inter-class championship contest. Under this arrangement, the freshmen debate with the sophomores, the juniors with the seniors, and the winners of these two contests debate with each other for the championship. As an incentive for earnest effort and as a token of victory, Mr. Charles Scott, '86, has kindly presented a beautiful silver cup upon which is to be inscribed each year the names of the members of the successful team. This year the cup was won by the class of 1908, whose team consisted of W. C. Atkins, R. S. Curtice, and Shapleigh, and Patterson alternate. The final contest occurred on March 23, 1907. The question selected for the Syracuse debate was used, and 1908 took the negative side against 1910. As no intercollegiate debater is eligible to participate in the inter-class contests, a larger number of men are enabled to get debating experience, and the contests are valuable in training men for future intercollegiate teams.

The Briggs Prize Debate occurred in Memorial Chapel on May 23, 1907, on the question: Resolved, That it is expedient that Mr. Roosevelt should be a candidate for re-election in 1908, (Mr. Roosevelt's declarations that he will not be a candidate being waived). The contestants were Chamberlain, '07, Power '08, Hancock, '09, and Rotzel, '10. The judges, Mr. Heman Charles Whittlesey, B. A., Mr. Clarence Hood Woolsey, Ph.D., and Professor William Arthur Heidel, Ph.D., awarded the prize to Arthur Gerald Hubert Power, of St. Louis, Missouri.

YOUNG MEN'S CHRISTIAN ASSOCIATION.

The work of the Association has been carried on in much the same way as in former years. In addition to the regular weekly meetings, Reverend Frederick Watson Hannan, '90, conducted special services for two weeks in March. The Association has been particularly fortunate in securing the services of a number of inspiring speakers from out of town for the Sunday meetings, including Messrs. John Callahan, E. D. Thornburgh, and F. V. Slack.

The committee on Bible study has done very effective work by successfully maintaining group classes in several of the fraternity houses, in addition to a class for the freshmen led by Professor Fife, and a normal class for juniors and seniors led by Professor Bradley.

Missionary interests have been well presented during the year, among the speakers being Professor Harlan P. Beach of Yale University, and Mr. Helin, one of the secretaries of the Association in Japan. The memorable event of the year was the visit of Bishop J. W. Bashford of Shanghai, China, who gave a most interesting address on China, in Memorial Chapel, and later met many of the students personally. The Joe Beech Fund is being raised as in former years.

The report of the retiring president, C. P. McClelland, '07, laid special emphasis upon the need of a paid general secretary to direct the activities of the Association, and of a building as the home of the Association and the center of its work. These advantages are possessed by the Association in many other colleges, and the effective prosecution of the work in Wesleyan demands that these needs should be supplied in the near future.

NOTES.

ADMINISTRATION OFFICES.—In the Christmas vacation the offices of administration were transferred from their temporary quarters in Memorial Chapel to the rooms in South College, which have been specially

fitted up as the permanent offices of the President and Secretary. The Faculty, which has for two or three years met in 28 Fisk Hall, met for the first time in the faculty room in South College on January 8. In addition to gaining many advantages which naturally come from offices properly equipped for their purposes, the removal to new quarters has been marked by several other improvements. The records of students, which have long been kept in books, are now kept by means of a specially devised card catalogue system. An addressing machine has also been installed, which makes possible a considerable saving in time and in clerk hire. The steel shelving was installed in the new vault in South College on May 17, and the records and memorabilia of the University were at once transferred to the vault which was constructed for their preservation.

PROFESSOR ATWATER.—A communication from the Société Chimique de la France has been recently received by Professor Atwater requesting that, in connection with the celebration of its semi-centennial this month, it be allowed to ask for him the chevalier's cross in the Legion of Honor.

There has been no material change in Professor Atwater's health in the course of the present year.

PROFESSOR WINCHESTER.—The Trustees having granted Professor Winchester a leave of absence for the second half of the college year, he and Mrs. Winchester sailed for Europe in March. At present they are in Italy, but they expect to visit England before returning home in September.

PETTEE ESTATE.—In 1904 Rev. John Tyler Pettee, '43, and his wife assigned to the University life insurance policies valued at \$8,000; and in the following year their house and lot in Meriden, appraised at \$5,000, were deeded to the University in return for an annuity. Since then Mrs. Pettee has died, and, accordingly, on the death of Mr. Pettee on February 17, 1907, the estate passed to the University.

NYE ESTATE.—By the death of Frederick B. Nye, at Milwaukee, Wisconsin, on February 5, 1907, the will of his father, Dr. Elisha Bourne Nye, '35, who died in 1889, takes effect. The estate is to remain in the hands of the executor, Mr. William H. Burrows of Middletown, until legacies amounting to \$1,600 are paid from the accumulated income. Then the residue will come to Wesleyan University for the endowment of a professorship in natural science. It is understood that the estate will amount to between \$40,000 and \$45,000.

REYNOLDS SCHOLARSHIPS.—Honorable G. G. Reynolds, '41, has just notified President Raymond that he will add \$5,000 to the sum which he has already given for the endowment of scholarships. The present gift

is to be divided into two scholarships in memory of his wife Harriet Townsend Reynolds and of his son Frank Reynolds, '68. This gift makes the amount of endowment for undergraduate scholarships more than \$42,000.

READING ROOM.—The Reading Room, after the burning of North College, was transferred to the second floor of the Library, and in March was installed in the room formerly called the "History Room," on the lower floor of Memorial Chapel, which has been suitably equipped for the purpose.

COLLEGE BILLS.—The custom which has long been in vogue of allowing the students a rebate for the prompt payment of their bills will be abandoned after the close of the present college year, and henceforth all bills must be paid promptly at the dates set.

INTERCOLLEGIATE ATHLETIC ASSOCIATION.—By vote of the Faculty in December, 1906, Wesleyan University became a member of the Intercollegiate Athletic Association, and was represented by Professor Nicolson at the annual conference at the Murray Hill Hotel, New York, during the Christmas holidays.

GYMNASIUM.—The annual Gymnasium Exhibition which occurred on March 21 was one of the most successful and largely attended ever held. The committee of judges was composed of Professor Nicolson, Dr. H. C. Swan of Trinity College, formerly the Director of the Wesleyan Gymnasium, and Mr. J. D. Abbey, Physical Director of the Middletown Young Men's Christian Association. Dr. Swan presented the Olin cup to the class of '10 for the best class drill; the Creede cup to '08 as the winners of the inter-class basketball championship; the silver cup for the college gymnast to W. R. Hick, '09; and the Creede medal for middle-weight wrestling to A. R. Graves, '09. The Creede medal is one of two presented by Mr. Thomas R. Creede of East Orange, New Jersey, for the winners of contests in middle and light weight wrestling. Only one of the medals was awarded this year.

SEVENTY-FIFTH ANNIVERSARY EXERCISES.—The official report, descriptive of the Celebration of the Seventy-Fifth Anniversary of the Founding of Wesleyan University, is in the hands of the printer, and it is expected that the book will be ready by Commencement. There will be an appendix giving an account of the dedication of the John Bell Scott Memorial Laboratory of Physics, and of the laying of the cornerstones of Willbur Fisk Hall and of the new North College. The twenty-eight illustrations include portraits of all the Presidents of the University, cuts of the University buildings in the early days, pictures of the new

buildings, and faculty groups covering the past forty years. Most of the edition of 600 copies has been subscribed for, not more than 150 copies remaining unsold. The price will be one dollar a copy postpaid, and subscriptions should be sent to Mr. W. J. James, Wesleyan University Library.

PHI BETA KAPPA CATALOGUE.—A Catalogue of the Connecticut Gamma (Wesleyan) Chapter of Phi Beta Kappa has recently been completed by Professor Nicolson. In the course of a few weeks copies will be distributed, but whether free or for a moderate price cannot be announced until after the annual meeting of the chapter at Commencement.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—Of the three publications which were announced in the December *Bulletin* as in preparation, two have been issued: the Manual of the Geology of Connecticut by Professor Rice, the Superintendent of the Survey, and Professor Gregory of Yale University; and the Geological Map of the state by Professor Gregory and Dr. Robinson of Yale University. The Manual is an attractive octavo volume of 273 pages, admirably illustrated with thirty-one full page plates and twenty-two figures in the text.

CONNECTICUT BACTERIOLOGICAL LABORATORY.—The Laboratory which had been installed in the "Old Laboratory" since December, 1905, was transferred in April to rooms 19 and 20 in Scott Laboratory. The necessary equipment for the investigation of animals supposed to have suffered from hydrophobia was installed in February, and since then many cases have been examined. The Legislature which is now in session has appropriated \$7,500 for the bacteriological and chemical work of the Laboratory. This sum, which is much larger than previous grants, insures considerable extension of the work.

MATHEMATICAL SOCIETY.—Professor McKinney, beginning in January of this year, has gathered the advanced students of the department into a voluntary association, known as the Mathematical Society, for the purpose of keeping in touch with the advances that are being made in mathematical science and for presentation of papers based upon independent research. The Society has no formal organization, but its secretary is H. D. Arnold, '06, who is this year Assistant in Physics.

SOCIAL STUDY CLUB.—The Social Study Club, which was organized in December, 1905, has continued its regular meetings for the study of social questions, and during the year public lectures have been given under its auspices by Messrs. J. G. Phelps Stokes, Leonard D. Abbott, and George Willis Cooke. Plans are now under consideration for affiliating the Club with the Intercollegiate Civic League.

WASHINGTON'S BIRTHDAY BANQUET.—The annual banquet on the evening of February 22, in Fayerweather Gymnasium, was the largest and most successful ever held. George Edward Reed, D. D., '69, President of Dickinson College, presided as toastmaster. Among those who responded to toasts were President Raymond, Professor Kuhns, '85, Mr. Reiter, C. H. Stackpole, '86, Arthur Goodrich, '99, W. W. Pickard, '99, C. F. Price, '02, C. L. Newton, '02, and A. B. Haley, '07.

HOSPITAL BED FOR STUDENTS.—A committee of ladies, with Mrs. A. C. Armstrong as chairman, is making an effort to raise \$5,000 for the endowment of a free bed for Wesleyan students in the Middlesex Hospital, which was opened in Middletown a few years ago. Already several of the alumni have contributed and it is hoped that others will aid in the prompt completion of the amount. On April 23, an illustrated lecture, which netted a considerable sum, was given in Memorial Chapel, under the auspices of the committee, by Rev. Herbert Keightley Job on Connecticut Birds.

STUDENT RESIDENCES.—Owing to the burning of North College, the students have been compelled this year to seek rooms elsewhere. The *Argus* has furnished the following figures on student residence:

	Society Houses.	College Buildings.	Private Houses.	Total Men.
Graduates, - - -	1	—	6	7
Seniors, - - -	39	8	7	54
Juniors, - - -	45	13	12	70
Sophomores, - - -	50	6	18	74
Freshmen, - - -	18	5	69	92
	153	32	112	297

In addition to the small number living in college buildings and the large number rooming in private houses, the number of freshmen living in fraternity houses will be noted as unusually large. It is estimated that twenty-six freshmen live more than five minutes walk from the Chapel and that ten are ten minutes distant from it. For the first time in several years students (seven seniors) have been assigned rooms in Observatory Hall.

FACULTY RESIDENCES.—The following changes of residence of members of the faculty may be noted. Last spring, Professor Harrington moved into his father's old home, 203 High Street. Professor Armstrong moved from the Harrington house, where he had lived for several years, to temporary quarters at 25 College Place, and finally on November 1,

moved into the house, 166 High Street, which he has built on the old Laban Clark property, belonging to the University. Professor Fisher has moved from Observatory Hall into the house, 25 College Place, which was built by Professor Johnston, and purchased by the University from Professor Merrill some years ago. At Christmas, Professor Heidel moved into the newly built house, 41 Lawn Avenue. Professor McKinney lives at 242 William Street, and Mr. Budington at 178 Church Street.

MEETING OF ADMINISTRATIVE OFFICERS.—On May 9 and 10, 1907, the administrative officers of certain New England colleges met, at the invitation of Professor Nicolson, in the office of Wesleyan University, to consider topics of mutual interest and to discuss the organization of an association to provide for similar meetings in the future. Deans Emerson of Dartmouth, Ferry of Williams, Stevens of Maine, Professor Burnett, Registrar of Bowdoin, Mr. Guild, Registrar of Brown, and Professors Chase and Nicolson, Secretaries of Tufts and Wesleyan respectively, were present. These officers found much of interest to discuss in the administration of their several offices, and it was voted to meet again next year. An informal organization was effected with Dean Emerson president and Professor Chase secretary.

OBITUARY RECORD.

The following deaths among the alumni have been reported since the publication of the last Obituary Record:

Class.

- 1840. Edmund Longley, b. 1 April, 1819, in Sidney, Me.; d. 27 May, 1906, in Emory, Va.
- 1841. Richard Sutton Rust, b. 12 September, 1815, in Ipswich, Mass.; d. 22 December, 1906, in Cincinnati, O.
- 1843. John Tyler Pettee, b. 5 September, 1822, in Sharon, Mass.; d. 17 February, 1907, in Meriden, Conn.
- 1853. Samuel Woodward Cooke, b. 9 September, 1825, in Hadley, Mass.; d. 26 October, 1906, in Worcester, Mass.
- 1855. Thomas Moody Wyatt, b. 24 October, 1827, in Franklin, N. H.; d. 14 July, 1906, in Brooklyn, N. Y.
- 1856. Arthur William Bacon, b. 10 September, 1836, in Middletown, Conn.; d. 12 March, 1907, in Middletown, Conn.
- 1857. John Peterson, b. 15 July, 1831, in Coleraine, Mass.; d. 31 May, 1906, in Boston, Mass.

Class.

1858. William Albert Reynolds, b. 18 May, 1837, in Cincinnati, O.; d. 21 July, 1906, in Wilmington, Del.
1861. Richard Hubbard Danforth, b. 5 January, 1840, in Middletown, Conn.; d. 9 February, 1907, in Buffalo, N. Y.
1861. Hiram Loammi Kelsey, b. 31 August, 1835, in North Danville, Vt.; d. 17 July, 1906, in Northwood Centre, N. H.
1861. Wilbur Fisk Osborne, b. 14 January, 1841, in Derby, Conn.; d. 30 March, 1907, in Derby, Conn.
1861. Aaron Rittenhouse, b. 14 March, 1837, in South Easton, Pa.; d. 5 May, 1906, in Philadelphia, Pa.
1862. William Ranney Baldwin, b. 24 October, 1840, in Middletown, Conn.; d. 26 June, 1906, in Friendship, N. Y.
1863. Phineas Rice Hawxhurst, b. 24 October, 1837, in Ellenville, N. Y.; d. 18 September, 1906, in Asbury Park, N. J.
1863. George Amos Newcomb, b. 14 February, 1841, in Boston, Mass.; d. 12 December, 1906, in St. Louis, Mo.
1864. Charles Amos Merrill, b. 23 September, 1843; d. 30 April, 1907, in Worcester, Mass.
1865. Joseph Henry Mansfield, b. 25 November, 1837, in Whitehall, N. Y.; d. 29 December, 1906, in Brookline, Mass.
1868. Leslie Bingham Cooke, b. 15 May, 1846, in Hermon, N. Y.; d. 9 March, 1907, in Watertown, N. Y.
1881. Merrill Hitchcock, b. 20 November, 1854, in Pittsford, Vt.; d. 7 March, 1907, in South Shaftsbury, Vt.
1882. William Jerome Chappell, d. 7 February, 1907, in Baltimore, Md.
1904. Raymond Dinsmore Allen, b. 15 January, 1882, in Plymouth, Mass.; d. 29 November, 1906, in Burnside, Conn.

Non-Graduates.

1848. Daniel Dorchester, b. 11 March, 1827, in Duxbury, Mass.; d. 12 March, 1907, in West Roxbury, Mass.
1876. Calvin Butterfield Tuttle, b. in Long Island, N. H.; d. 6 May, 1906, in Lynn, Mass.
1877. Herbert Hiram Hayden, b. 22 February, 1850, in Taunton, Mass.; d. 13 May, 1907, in New Haven, Conn.
1905. Edward Randall Plumb, b. 11 December, 1882, in Syracuse, N. Y.; d. 16 October, 1906, in Syracuse, N. Y.
1907. Louis Townsend Scudder, b. 26 August, 1882, in Washington, D. C.; d. 21 November, 1906, in Washington, D. C.
1908. Robert Clark Russell, b. 8 May, 1886, in Chicopee Falls, Mass.; d. 17 November, 1906, in Middletown, Conn.
1908. Floyd William Foster, b. 8 December, 1886, in Thomaston, Conn.; d. 15 May, 1907, in Thomaston, Conn.
1909. Paul Cook, d. 1 September, 1906, in Washington, D. C.

1907.

CALENDAR.

- May 30. Thursday, Memorial Day,—a holiday.
- June 7. Friday,—Annual examinations will begin.
- June 21. Friday, 8:00 P. M.—Prize Declamation Contest.
- June 22. Saturday, 3:00 P. M.—Baseball Game, Trinity vs. Wesleyan.
- June 22. Saturday, 5:00 P. M.—Preliminary meeting of Phi Beta Kappa.
- June 22. Saturday, 8:00 P. M.—Glee Club Concert.
- June 23. Sunday, 10:30 A. M.—Baccalaureate Sermon, by President
Bradford Paul Raymond, D.D., LL.D.
- June 23. Sunday, 7:30 P. M.—University Sermon by Rev. S. M. Zwemer.
- June 24. Monday, 9:00 A. M.—Annual Meeting of Phi Beta Kappa.
- June 24. Monday, 11:00 A. M.—Final Chapel Exercises. Announcement
of award of prizes and of preliminary honors.
- June 24. Monday, 2:00 P. M.—Class Day Exercises.
- June 24. Monday, 4:00-7:00 P. M.—President's Reception.
- June 24. Monday, 6:00-9:00 P. M.—Class Reunions.
- June 24. Monday, 8:00 P. M.—Meeting of the Board of Trustees.
- June 24. Monday, 8:00 P. M.—Class Day Exercises, Webb Hall.
- June 24. Monday, 9:00-11:00 P. M.—Illumination of the Campus; Open
Air Concert; Singing by Undergraduates and Alumni.
- June 25. Tuesday, 9:00 A. M.—Meeting of the Board of Trustees.
- June 25. Tuesday, 9:30 A. M.—Meeting of the Alumnae, Webb Hall.
- June 25. Tuesday, 10:00 A. M.—Business Meeting of the Alumni Association.
- June 25. Tuesday, 12:00 M.—Business Meeting of the Alumni Athletic
Association.
- June 25. Tuesday, 12:30 P. M.—Luncheon for the Alumni and the
Guests of the University.
- June 25. Tuesday, 3:30 P. M.—Baseball Game, Williams vs. Wesleyan.
- June 25. Tuesday, 5:00-7:00 P. M.—Social Receptions by the College
Fraternalities.
- June 26. Wednesday, 10:30 A. M.—COMMENCEMENT. Contest for the
Rich Prize. Conferring of Degrees.
- June 27. Thursday.—Examination of candidates for admission will
begin.
- Sept. 25. Wednesday.—Examination of candidates for admission will
begin.
- Sept. 26. Thursday, 9:00 A. M.—College year will begin.

VOLUME 1

DECEMBER, 1907

NUMBER 3

— THE —

WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



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MIDDLETOWN, CONNECTICUT

1907

CALENDAR

Sept.	26	Thursday	9:00 A. M.	College year began.
Nov.	27	Wednesday	12:00 M.	Thanksgiving recess began.
Dec.	1	Sunday	9:00 A. M.	Thanksgiving recess ended.
Dec.	20	Friday	5:00 P. M.	Christmas recess will begin.

1908

Jan.	7	Tuesday	7:50 A. M.	Christmas recess will end.
Jan.	30	Thursday		Day of Prayer for Colleges.
Feb.	8	Saturday		Mid-year examinations will begin.
Feb.	22	Saturday		Washington's Birthday.
April	14	Tuesday	5:00 P. M.	Easter recess will begin.
April	22	Wednesday	7:50 A. M.	Easter recess will end.
May	7	Thursday	8:00 P. M.	Junior Exhibition.
May	28	Thursday	8:00 P. M.	Briggs Prize Debate.
May	30	Saturday		Memorial Day.
June	5	Friday		Final examinations will begin.
June	19	Friday	8:00 P. M.	Prize Declamation Contest.
June	21	Sunday	10:30 A. M.	Baccalaureate Sermon.
June	24	Wednesday	10:30 A. M.	COMMENCEMENT.—Rich Prize Contest.
June	25	Thursday		Examination of candidates for admission will begin.
Sept.	23	Wednesday		Examination of candidates for admission will begin.
Sept.	24	Thursday	9:00 A. M.	College year will begin.

WITH the conclusion of the present collegiate year the term of service of President Raymond as the official head of Wesleyan University will come to an end. The eighteen years of President Raymond's administration have been notable from many points of view, and they are considered in some detail on a later page of this *Bulletin*. It is sufficient here to say that he retires with the cordial respect and affection of all his colleagues among the faculty and of his associates on the board of trustees. His administration fills a large place in the history of Wesleyan, and concludes with the adoption of the new and more liberal charter, which owes its existence in large measure to his persistent and well directed efforts.

By the terms of the charter of 1831 Wesleyan University was, from its foundation until the revision of the charter in 1870, precluded from applying "any religious test whatever" in the selection of any "president, professor, or other officer," and from making "the religious tenets of any person a condition of admission to any privilege in said university." It is to be regretted that the spirit of reaction was strong enough in 1870 to secure the adoption of a charter of less liberal type. But the essential freedom of thought which has always been manifest at Wesleyan has been steadily developed for more than a generation and has been evidenced in the selection of members of the faculty and in the personnel of the student body. This liberality of temper finds renewed expression in the University charter adopted last June, which prescribes that "no denominational test shall be imposed in the choice of trustees, officers, or teachers, or in the admission of students." Wesleyan is thus restored to its original position as an institution unhampered in its development by needless restrictions. Wesleyan University has always been a Christian institution, and we may hope that it will always deserve the name, but a truly Christian spirit is not fostered by a spirit of narrow exclusiveness.

This year affords an unusual opportunity to Wesleyan alumni to demonstrate in more than one way their zeal for the welfare of their alma mater. Obviously this is not the time for the initiation of new policies on the part of the faculty and the acting administration, but it is a time for gathering all the resources that can be made available for building up an institution with wider influence and with a stronger hold upon its natural supporters.

There are two things which Wesleyan needs and which, with the united support of *all* her alumni, she might have at no distant day. In the first place, there ought to be at Wesleyan at least five hundred students. With the present material equipment, and with substantially the present teaching force, allowing for moderate expansion here and there, such a body of students could be adequately instructed, and our laboratories, our museum, and our library utilized to a far greater extent than is now the case. If every alumnus would pledge his best efforts to secure this result, our numbers might be doubled within five years.

The other need is more money. To present reasons is palpably superfluous.

It is a pleasure to announce the practical completion of the new North College—a stately and commodious structure which will doubtless endure for generations to come. The new dormitory is built in the most substantial manner and appears unlikely at any time to share the fate of old North College. It is in every particular admirably adapted to its purpose and offers to students an additional inducement to make Wesleyan the college of their choice.

A few days before the present collegiate year opened, the long illness of Professor Wilbur Olin Atwater came to an end. The great services which he was enabled to render to his University and his country in the course of his long and honored career are outlined on a later page of this *Bulletin*, but the tribute of affection which his colleagues at Wesleyan owe his memory cannot be paid in mere words. The institution which he loved and served so well has lost a true friend whose place

cannot be filled. He sacrificed his whole self to the work he loved, and he was stricken down in the fulness of his powers, leaving much to be continued by others. But the influence that went out from him will long be felt at Wesleyan, and will be an inspiration to many in years to come.

It may be worth while to call attention to the fact that the present issue of the *Bulletin* contains a much larger amount of important information concerning Wesleyan University than is found in any preceding number. The alumni, in particular, are urged to make themselves familiar with this and other issues of the *Bulletin*, for in no other official publication are so many interests of the University set forth.

The *Financial Exhibit of Wesleyan University for the year ending May 31, 1907*, the first submitted by Mr. Clinton D. Burdick, as treasurer, makes a pamphlet of twenty-eight pages, and is the largest and most complete annual statement of the finances of the University ever presented. For the first time each individual investment, with its income, is listed, and other improvements in the form of the statement have been introduced. Special attention is called to the abstract of this document printed in this *Bulletin*.

The total value of the property now held by the University is \$2,505,-380.23, an increase over last year of \$99,498.02. The invested funds have yielded a return of \$79,973.96, showing the high interest rate of $5\frac{1}{4}$ per cent. The accounts for the fiscal year show a wholesome surplus for the first time in some years, and the deficit was reduced from \$30,228.44 to \$25,422.55. While this excellent result is a cause for congratulation, it should be noted that it is due to gifts of \$9,730.00 to the income account. This merely emphasizes the immediate need for subscriptions to the income account to clear off the remainder of the deficit, and to the endowment fund in order to provide a sufficient return to meet the regular demands.

An important indication of the increasing interest of Wesleyan alumni in their alma mater is the existence of the several local alumni associations, of which a number have been organized within the past few years.

At present the most considerable group of alumni, located advantageously for organization, which has not yet formed an association, consists of more than forty graduates and twenty non-graduates living in Washington, Baltimore, and vicinity. This is an opportunity for some young alumnus residing in Washington to distinguish himself by planning a gathering of Wesleyan men this winter and forming a permanent organization. Such an association ought to be a potent factor in securing new students from a locality which at present sends but few men to Wesleyan.

The approval, by the board of trustees, at their recent meeting, of the revision of the entrance requirements and of the course of study accomplishes a reform of the highest importance. In the consideration of the problems involved, the curricula and requirements of other colleges and universities, both in New England and throughout the country, have been studied, and it is believed that the new course of study is in accord with the soundest theories and the most practical methods of collegiate education of the present day.

The eighth edition of the Supplement to the Alumni Record will appear in January.

The total registration to date is 316, of whom 92 rank as freshmen.

DECEMBER TRUSTEE MEETING

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York, on December 6, 1907, with President H. C. M. Ingraham in the chair.

Upon the report of the committee appointed at the annual meeting in June, the revised course of study as adopted by the faculty on June 4, and slightly modified on November 26, was approved, to go into effect at the beginning of the college year 1908-9, with the proviso that the faculty should make the necessary adjustments in the cases of students now in the University.

It was voted to assign the title of Beach Professor of Chemistry to Professor Bradley, and the title of Charlotte Augusta Ayres Professor of Physics to Professor Cady.

NEW NORTH COLLEGE

Unfortunate delays prevented the completion of the rebuilding of North College by September, the time specified in the original contract. Though the walls were nearly all up and part of the roof on at Commencement time, the front portico and the connecting portion of the fourth story front were not completed until the early part of August, because of the difficulty experienced in getting perfect blocks of stone of the large size specified for the columns and other parts of the portico.



NEW NORTH COLLEGE FROM HIGH STREET

In the meantime, the masons were able to make only slow progress with the interior work, so that the plastering was not completed until the end of September. At the present time the carpenter work is being pushed, and the other finishing work is also being hurried as much as possible. It is promised that the whole building shall be ready for occupancy when the second term begins on January 7. All the outside work, including the pointing up and painting, has been completed, and the ground adjacent to the building is being re-graded.

Externally the building resembles the old North College in length and depth, but is considerably higher. The unpretentious dignity of the old building with its rubble walls gives place in the new structure to the richer effect of cut stone with elaborate portico and cornice. Viewed from High Street, the building does not impress one as notably different from its predecessor, except for the white-painted window frames. The interior, with its beautiful weathered oak finish and with



NEW NORTH COLLEGE FROM THE SOUTHEAST

its complete appointments, is a splendid and highly commendable improvement over the old building. Assuredly, the new North College will soon have as warm a place in the hearts of Wesleyan men as the old building had for three-quarters of a century.

The building will be furnished by the University with iron bedsteads, and chiffonniers and desks of mission oak. This furniture is already at hand awaiting the completion of the building.

REVISION OF THE COURSE OF STUDY

For some years the question of a thorough revision of the curriculum has been mooted, and during the last college year the faculty completed and adopted a scheme for such a revised course of study, which has now been approved by the board of trustees. The adoption of this plan effects the third radical change of the curriculum in the history of the University.

In the early years of the University, President Fisk desired that the student should enjoy the utmost freedom in the framing of his course, but his excellent theory seems not to have worked very well, for the small number of courses offered made it almost necessary for every student to take every study that was offered in order to complete a sufficient quota of work for graduation. After President Fisk's death, the theory of unregulated curriculum was definitely abandoned, and an iron-bound four-year course of required studies was prescribed. From time to time this was relaxed slightly by the allowance of certain options, and finally in 1870 an important step was taken increasing the number of options. In 1873 occurred the second radical change of the curriculum, when the rigidly required course was replaced by a system which continued the requirement of certain studies but allowed a considerable range of elections. Since 1873 the requirements have at various times been somewhat modified, and with the increase in the size of the faculty there has been a large widening of the range of electives. In 1873-4, there were 43 courses announced, in 1889-90, the number was 65, and in 1906-7, it had risen to 155.

As early as 1838, in addition to the regular degree of bachelor of arts, it was announced that the degree of bachelor of science would be conferred, but it was not until 1858 that a science course was regularly prescribed. In 1873 a third degree of bachelor of philosophy was added, the requirements in the scientific course were increased, and three coördinate courses were outlined. Changes in the requirements for entrance have also been made from time to time as the curriculum has been modified, so that the standard for admission has been gradually raised.

As long ago as January 17, 1905, the faculty voted "to approve in principle the recommendation of the committee on course of study, that after a date to be determined, two bachelor's degrees only be granted by the University, one in arts and one in science, the bachelor of arts degree being given to students who have had at least one ancient language in college."

For several reasons the further consideration of this problem was postponed for more than a year. Then the committee on course of study

again took up the problem and prepared a restatement of the requirements for entrance, and outlined the requirements for the two degrees in accordance with the vote of the faculty quoted above. The novel and essential feature of this plan was the almost complete abandonment of required courses, and the substitution of the group system of regulated elections. On June 4, 1907, after prolonged consideration, the faculty adopted, subject to amendments in detail, and subject to the approval of the board of trustees, the revised curriculum. During the autumn several minor changes were voted, and on November 26, 1907, the final draft of the new course of study, properly codified, was adopted.

The degree of bachelor of philosophy is abolished, and the degrees of bachelor of arts and bachelor of science retained. The requirements for admission are adjusted to the new conditions. All required studies are abolished except that a course in English is required of all freshmen; freshmen in science must take one of two courses in mathematics and must complete the equivalent of the first two courses in French and German in either preparatory school or college; freshmen in arts must take a course in either Latin or Greek. All other studies are elective, but the elections must be so arranged as to include a minimum number of hours of work in each of the three groups, languages, humanities, and sciences, and a minimum number of hours in a single department or major study. The elections in the major study must be made with the advice and approval of the professor in the department concerned.

At the meeting of the board of trustees on June 24, 1907, it was voted to refer this revised course of study to a committee of five for report at an adjourned meeting of the trustees to be held in the autumn. At the adjourned meeting on December 6, 1907, the board of trustees approved the course of study as finally adopted by the faculty, and voted that it should go into operation in September, 1908, with the proviso that the faculty should make the necessary adjustments in the cases of students now in the University.

The following sentences from President Raymond's last annual report indicate the significance of the proposed changes:

"While, then, the group system does away with the absolute requirement of any study, and gives a wide range of freedom of election, it at the same time limits that freedom to lines of work which make a consistent program. These limitations will prevent the student from so scattering his electives as to get a smattering of everything in the curriculum and not much of anything in particular. One of the chief advantages of the change is in that a student is required to know some department of work with a considerable degree of thoroughness. Having spent four years in the preparatory school, and having been introduced

to the work of the college, it is time that, under proper limitations, the candidate for a degree should begin to eliminate from his curriculum many lines of study, and to concentrate his attention predominantly upon some one of the great groups of studies which are offered in the curriculum."

RECENT GIFTS

Since the publication of the May *Bulletin*, the following gifts to income account have been received: S. W. Bowne, \$1,000; J. N. Brown, \$500; I. E. Palmer, \$1,000; Charles Scott, '86, \$1,000.

Additional payments of \$120.95 have been received for the Undergraduate building fund for North College. Further payments to the Alumni endowment fund have been made through the treasurer of the fund, W. J. James, '83, amounting to \$9,384.86. There is to be credited to the same fund \$416 from Z. P. Bennett, '03; \$20 from Mrs. H. I. Harriman, '96, for the Aluminae scholarship; and \$5,000 from G. G. Reynolds, '41, who has given \$2,500 each to endow the Harriet Townsend Reynolds and the Frank Reynolds scholarships. The total payments to the fund to date are \$62,028.86.

A Friend of Wesleyan presented \$25 for a prize in the Department of German in 1907. Hanford Crawford has given \$2,500, making the amount of the Crawford Memorial Fund \$5,000.

The bequest of E. B. Nye, '35, mentioned in the May *Bulletin*, amounting to \$46,223.49, will be paid to the University in a few days.

WILBUR OLIN ATWATER

The long illness of Professor Atwater was terminated by his death on Sunday evening, September 22, 1907. The funeral services, which were held at his late residence on Washington Street on the following Wednesday afternoon, were conducted by President Raymond, Acting President Rice, and Doctor Henry Baker, '64, pastor of the First Methodist Episcopal Church in Middletown.

On Sunday afternoon, October 6, memorial services were held in Memorial Chapel. President Raymond made a few remarks concerning Professor Atwater's connection with Wesleyan University, and then introduced the other speakers. Acting President Rice told of Professor Atwater as a classmate and as a colleague on the faculty. Doctor A. C. True, '73, the present Director of the Office of Experiment Stations in the United States Department of Agriculture, spoke of Professor Atwater as the first occupant of that office, and concerning his work in

agricultural chemistry and in the encouragement of scientific agriculture. Professor F. G. Benedict, who was for a dozen years associated with Professor Atwater in his nutrition investigations, described this



WILBUR OLIN ATWATER

phase of his work and the development of the calorimeter and its application to the study of the problems of human nutrition. Professor C. T. Winchester, who had been a lifelong friend of Professor Atwater, paid a splendid tribute to him as a man and as a friend.

Wilbur Olin Atwater was born in Johnsburg, Warren county, New York, on May 3, 1844, but much of his early life was spent in Vermont. After three years at the University of Vermont, he entered Wesleyan University as a senior and was graduated with the degree of bachelor of arts in 1865. He served in successive years as principal of schools in Colchester, Vermont; Spencer, Massachusetts; and Westport, New York. After a year as a student in the Sheffield Scientific School, Yale University, he received the degree of doctor of philosophy in 1869, and then spent two years in foreign travel and study, paying especial attention to agricultural chemistry. For two years he occupied the chair of chemistry in East Tennessee University at Knoxville, and for a brief time held a similar appointment in Maine State College at Orono. In 1873 he was elected instructor in chemistry in Wesleyan University, and in the following year was promoted to be professor of chemistry, which title he held until his death, though incapacitated for work since November, 1904. From 1875 to 1877, Professor Atwater was the first director of the Connecticut Agricultural Experiment Station, which was the first established in this country. In 1888 he became the first director of the Office of Experiment Stations in the United States Department of Agriculture and held the office until 1891. With both of these institutions he kept in active touch until his illness, and in the latter post his two successors have been his friends and associates, Doctor A. W. Harris, '81, and Doctor A. C. True, '73. His last important appointment was as chief of the nutrition investigations of the United States Department of Agriculture, and it was under the patronage of this department and of the Carnegie Institution of Washington that his latest researches were conducted. Of the numerous scientific and social organizations and enterprises with which Professor Atwater was connected, and of the various honors which were conferred upon him, the lack of space forbids the enumeration. Neither is it possible to list the more than 150 publications which bear his name.

The following minute concerning Professor Atwater was adopted by the faculty on October 22:

"In the death of Wilbur Olin Atwater, Wesleyan University loses a member of its faculty who in scientific research stood preëminent. His name was more widely known in the scientific circles both of this country and Europe than that of any other professor in the institution at present or in the past. Himself an investigator, he knew how to engage others in the work of investigation. He had rare judgment in the choice of colleagues and assistants. His achievements and his reputation were largely due to his ability as an organizer and director of

scientific work. In the earlier part of his scientific career his work was devoted chiefly to agricultural chemistry, and he was a potent influence in the creation of a more scientific agriculture. His later years were devoted to the study of nutrition. The respiration calorimeter, the invention of himself and his associates, rendered possible a series of most fruitful researches in which only a beginning had been made when he was stricken down by a fatal disease. The experimental proof of the conservation of energy in the living body was an achievement of profound theoretical significance. Results of great importance in sanitary and economic lines have already been obtained, and the new apparatus and new methods promise larger results in the future.

"Professor Atwater's greatest service to the college which he so dearly loved was in the influence of his example upon his colleagues in the faculty. The great volume of scientific research of which he was the author or director inspired every member of the faculty to do something besides mere routine work. Our best tribute to his memory is the work of so many of our number which has given Wesleyan an honored place among the colleges as a center of original investigation.

"But while we regret the loss to the college and to the cause of scientific research in the death of Professor Atwater, we feel most intimately our own loss of a colleague and a personal friend. Professor Atwater was one of the most genial and companionable of men. With a buoyant, elastic temper and exhaustless energy, always ready to talk from a full mind, eager to give and to receive, always hopeful and in good humor, he seemed to bring life and vigor wherever he went. His enthusiastic devotion to his chosen scientific work had not narrowed his culture or his sympathies. He had an intelligent interest in all humanist studies, all matters of art or literature; but his keenest concern was enlisted in whatever pertained directly to the welfare of society. All measures for the amelioration of social conditions, for the reform of evils or the relief of hardships among any class of men, always had his hearty support. During the last five or six years of his active life this interest in social matters manifestly increased; and his sympathies broadened and deepened with the years quite down to the time when the stroke of fatal disease suddenly closed his active career. The long period of weakness and pain preceding his final dismissal ended his work, forced him to resign his cherished plans, and shut him out from almost all his old companionships. But he has left to all his colleagues the inspiration of a life filled with tireless, well-directed labors; and to those of us who had the privilege of long acquaintance with him, the memory of a constant, genial, loving friend."

RESIGNATION OF PRESIDENT RAYMOND

At an adjourned meeting of the board of trustees on June 7, 1907, President Raymond requested that a committee of five should be appointed with whom he might confer concerning his own work and the arrangement of it for the ensuing college year. This committee, con-



BRADFORD PAUL RAYMOND

sisting of H. C. M. Ingraham, chairman, W. V. Kelley, Charles Scott, E. G. Andrews, and F. M. North, presented a written report to the annual meeting of the board on Monday evening, June 24, 1907. After some consideration, several motions were adopted which embodied the substance of the report. The resignation of President Raymond was

accepted to take effect immediately after Commencement in 1908, and he was granted leave of absence during the first half of the intervening college year. A chair of English Bible was established, for which it was decided to raise an endowment of \$60,000, and President Raymond was elected to that chair. A committee was appointed to select an acting president to serve during President Raymond's leave of absence, and "with power to make necessary adjustments for administration during his absence." This committee was instructed to confer with a committee of the academic council. H. C. M. Ingraham, chairman, W. V. Kelley, G. G. Reynolds, E. G. Andrews, J. M. Buckley, Charles Scott, and G. S. Bennett were appointed a committee "to canvass all questions relating to a new president for the University and to report to the board at a suitable time a nomination for the office." Finally, a committee was appointed "to prepare resolutions expressive of the feelings of the trustees on receiving President Raymond's resignation, and their estimate of his services."

At a meeting of the academic council on June 27, the election of President Raymond to the chair of English Bible was ratified unanimously, and the required committee selected to confer with the committee of the trustees for the selection of an acting president. Professor Rice, the senior active member of the faculty, was chosen acting president, and Professor Bradley was appointed to assist him in a capacity which may be described as that of acting dean.

Administrative duties kept President Raymond in Middletown during the early part of the summer, but he spent the month of August on Martha's Vineyard. During the autumn, he passed much of his time in rest and recreation at Ellenville, New York; but important University interests frequently required his presence in Middletown and New York. On November 25, he left Middletown to spend some weeks in Southern California. President Raymond's health, which made necessary his resignation, has shown some improvement in recent months.

A few comparisons will show the importance of President Raymond's eighteen years' administration in the growth of the University. In 1888-9, the year prior to Doctor Raymond's assumption of the presidency, the faculty consisted of seventeen professors and instructors and two assistants; in 1906-7, of twenty-seven professors and instructors and nine assistants. In 1888-9 there were 218 students, of whom 66 were in the entering class; in 1906-7 there was a total attendance of 328, with 99 in the freshman class. In 1888-9 the library contained 37,000 volumes and had an income of \$1,100 for the purchase of books; in 1906-7 there were 75,500 volumes and an income of \$3,900. For the fiscal year ending in June, 1889, the income from students was \$11,120, from investments,

\$36,767, and the total income amounted to \$49,327. In 1907 the figures were \$27,243, \$79,974, and \$108,149, respectively. In 1889 the campus, buildings, and contents were valued on the books at \$509,630, and in 1907 at \$973,250. During this period the Fayerweather Gymnasium, the boiler-house, Fisk Hall, and the Scott Laboratory have been erected, and Memorial Chapel and South College remodeled. The amount given for 1907 includes only a portion of the cost of the new North College, and \$100,000 should be added to cover the value of the completed building. It should also be noted that four fraternities have erected chapter houses facing the campus; two other fraternities have purchased similar buildings; and the two fraternities of more recent origin and the Commons Club occupy rented houses. These nine buildings are practically private dormitories, supplementing the University equipment. The athletic interests of the undergraduates have been advanced by the laying out of Andrus Field and the erection of the grand stand. In 1889 the investments of the University were reckoned at about \$670,000, not all of which were productive; in 1907 the investments amounted to \$1,522,521, all of which were productive. In 1888-9, 65 courses of instruction were listed in the Catalogue, and apparently 62 were actually given during the year; in 1906-7 the number of courses listed was 155, of which 120 were indicated as given that year.

The last year of his administration is marked by the revision of the charter and the revision of the course of study, two of the most important events in the history of the University. President Raymond, with intelligent liberality, has always championed the fullest academic freedom, and has been foremost in effecting these two desirable and liberal changes.

REVISION OF THE CHARTER

An editorial in the *Bulletin* for May, 1906, by calling attention to the contrast between the liberal spirit of the original charter of the University adopted in 1831, and the sectarian restrictions imposed by the amended charter of 1870, suggested the wisdom of seeking the repeal of the restrictive amendments of 1870 and a return to the liberal provisions of the original charter.

At the annual meeting of the Alumni Association at Commencement in June, 1906, the following resolution was adopted:

"*Resolved*, That the alumni of Wesleyan University request the trustees to petition the legislature to amend the charter of the University so as no longer to require membership in the Methodist Episcopal Church as a qualification for holding a position as trustee, president of the University, or member of the faculty."

In his annual report in June, 1906, President Raymond "discussed the question, showing that the charter that was adopted in 1831, and under which the institution had acted during the years 1831-70, was an entirely liberal charter, and far more in harmony with the spirit of the institution than was that adopted in 1870."

In February, 1907, the board of trustees appointed a committee, consisting of H. C. M. Ingraham, chairman; B. P. Raymond, E. G. Andrews, J. M. Buckley, F. M. North, G. G. Reynolds, and W. U. Pearne, "to consider and report upon the charter." "After very careful consideration of the interests involved, at two meetings, the seven members of the committee being present, it was voted, without a dissenting voice, to strike out the clause in the charter of 1870, which read, 'provided that at all times the majority of the trustees, the president, and a majority of the faculty shall be members of the Methodist Episcopal Church.'" This change would bring the provisions once more into harmony with the charter of 1831, which contained the following clause: "Provided, that no by-law or ordinances, shall be established by said corporation, which shall make the religious tenets of any person, a condition of admission to any privilege in said university; and that no president, professor or other officer shall be made ineligible for, or by reason of any religious tenets, that he may profess, nor be compelled by any by-laws or otherwise, to subscribe to any religious test whatever."

In the same spirit, certain other changes were agreed upon, and a report of the proposed amendments was made by the chairman of the committee of seven at an adjourned meeting of the trustees on June 7, 1907, and the changes were approved by them. In the meantime the charter had been rewritten by a committee appointed two years previously, and the proposed amendments incorporated. This document had been framed as a bill and introduced into the state legislature, which finally passed it, and on June 22 it was signed by the governor of the state and became a law. At the annual meeting on June 24, 1907, the board of trustees formally accepted the new charter.

The two following quotations from the new charter include all the important changes:

"*Provided*, that no denominational test shall be imposed in the choice of trustees, officers, or teachers, or in the admission of students."

"Each of the following annual conferences of the Methodist Episcopal Church, namely, the New York, New England, New York East, New England Southern, New Hampshire, Vermont, Maine, East Maine, Troy, Central New York, Northern New York, Newark, and Wyoming, shall be entitled to elect, by a majority vote at its regular session, one trustee, but the board of trustees shall have power to determine the conditions

and requirements by which this right shall be continued to the above-named conferences or extended to any other conference; *provided*, that the trustees so elected shall at no time exceed one-fourth of the whole number of the board."

TRUSTEE MEETINGS

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York, on June 7, 1907, with President H. C. M. Ingraham in the chair. F. M. North was elected secretary *pro tem*.

The report of the President of the University was presented and placed on file.

The following appointments were made to the board of instruction:

T. E. McKinney, Ph. D., Associate Professor of Mathematics for one year.

J. W. Wetzel, Ph. B., Instructor in Public Speaking for one year.

R. C. Super, M. A., Instructor in Modern Languages for one year.

R. A. Budington, M. A., Instructor in Biology for one year.

R. P. Stephens, Ph. D., Instructor in Mathematics for one year.

R. R. Renshaw, Ph. D., Instructor in Chemistry for one year.

C. F. Hale, M. S., Instructor in Chemistry for one year.

Albert Davis, Ph. D., Instructor in English for one year.

It was voted to confer the following honorary degrees at the coming Commencement:

Doctor of Divinity: Reverend Frederick Watson Hannan, '90, pastor of the Bushwick Avenue Methodist Episcopal Church, Brooklyn, New York; Reverend Eugene Allen Noble, '91, Principal of Centenary Collegiate Institute, Hackettstown, New Jersey; Reverend Wilbur Fisk Berry, ex-'80, Principal of Maine Wesleyan Seminary and Women's College, Kents Hill, Maine; Reverend Fairbank Barnes Stockdale, pastor of First Methodist Episcopal Church, Meriden, Connecticut.

Master of Arts: Marcus White, '88, Principal of State Normal School, New Britain, Connecticut.

Doctor of Laws: William Thomas Elmer, '57, Judge of the Superior Court of the State of Connecticut (retired).

It was voted to establish a standing committee on conferring honorary degrees, and certain rules were adopted concerning procedure in this matter.

It was voted that the next fiscal year should end on June 30, instead of May 31, in 1908, and regularly thereafter.

The committee of seven to which the question had been referred reported in favor of amending the charter by striking out the denomina-

tional restrictions; and submitted a draft of a charter embodying their recommendations. The report was accepted and approved. (The clauses of the new charter embodying these changes are quoted on pages 18 and 19 of this *Bulletin*.)

A gift of \$5,000 from G. G. Reynolds, '41, for the establishment of two scholarships was reported, and a resolution of thanks passed in appreciation of the gift.

At the request of President Raymond, a committee of five was appointed with whom he might confer concerning his own work and the arrangement of it for the ensuing year.

The annual meeting of the Board of Trustees was held in South College, Middletown, Connecticut, on Monday evening, June 24, 1907, at 8 o'clock, President H. C. M. Ingraham in the chair; and an adjourned session was held at the same place on the following morning at 9 o'clock. W. U. Pearne was appointed secretary *pro tem*.

The following officers of the board were reëlected: President, H. C. M. Ingraham; Secretary, D. G. Downey; Treasurer, C. D. Burdick.

William Connell, C. L. Rockwell, W. E. Sessions, G. S. Bennett, A. W. Hazen, and J. T. Porter were reëlected trustees, and W. I. Haven was added to their number to serve for five years beginning on October 1, 1907. The report of the election of M. A. Knapp and T. E. Hancock as alumni trustees to serve for a similar period was received and filed.

The annual report of President Raymond was presented in printed form and ordered on file. The annual reports of the treasurer (duly audited), and of the general and local executive committees, and of the library committee were received and filed. The committee on reports from the faculty made a report embodying several recommendations, which were either adopted or referred to committees with power.

The various standing committees for the ensuing year were chosen. The appointment of an assistant treasurer was referred to the finance committee.

W. V. Kelley was requested to make proper recognition, on behalf of the board, of the twenty years of service of J. W. Lindsay as a conference trustee, his term of office having expired at this time.

The special committee (H. C. M. Ingraham, chairman, F. M. North, secretary, W. V. Kelley, Charles Scott, E. G. Andrews) authorized at the previous meeting of the board, at the request of President Raymond, to confer with him on his personal relations to the administration of the University during the coming year, presented a written report which was received and ordered on file.

"The report, after stating the desire of President Raymond to be retired from the administrative responsibilities involved in the presidency of the University, made the following recommendations:

"First: That President Raymond's resignation of the office of president be accepted to take effect immediately after the Commencement of the year 1908.

"Second: That President Raymond be granted leave of absence from September 1, 1907, to the mid-year examinations.

"Third: That in accepting the resignation of Doctor Raymond as President of the University, the trustees express their desire that he remain, after his resignation shall go into effect, as professor in the department of studies to which he has given his special attention.

"Fourth: That an endowment in the sum of not less than sixty thousand dollars be raised for a chair of English Bible, for which some gifts have already been made to the University, and that to this chair Doctor Raymond be invited.

"Fifth: That the trustees authorize the appointment of an acting president for the period of President Raymond's leave of absence.

"Sixth: That a committee of the trustees, of which Doctor Raymond shall be a member, be appointed with power to make necessary adjustment for administration during his absence, and that the academic council be requested to appoint a committee of its own members with which this special committee shall be instructed to confer.

"Seventh: That the trustees appoint, at the annual meeting, a committee to canvass all questions relating to a new president for the University and to report to the board at a suitable time a nomination for the office."

The first, second, fifth, sixth, and seventh of these recommendations were adopted on Monday evening, and the third and fourth laid upon the table.

A committee, consisting of F. M. North, J. M. Buckley, J. E. King, P. C. Lounsbury, and G. S. Bennett, was appointed "to prepare resolutions expressive of the feelings of the trustees on receiving President Raymond's resignation and their estimate of his services; and to present a resolution or resolutions concerning the proposition [recommendations three and four] of the committee concerning a professorship of the English Bible, and the relation of President Raymond thereto after the close of his administration.

On Tuesday morning, in pursuance of the report of this committee, the following resolutions were substituted for the third and fourth recommendations:

First: "That in accepting the resignation of Doctor Raymond as President of the University, the trustees express their desire that he remain, after his resignation shall go into effect, as a professor in the University under such arrangements as the trustees may hereafter determine."

Second: "That the trustees, recognizing the importance of such a chair in the curriculum of the University, establish a professorship of English Bible to begin in 1908."

Third: "That an endowment of not less than sixty thousand dollars be raised to maintain the said professorship."

Fourth: "That the trustees do now proceed to an election by ballot to fill this chair, to take effect in 1908."

After the adoption of these resolutions the ballot was taken, and Doctor Raymond was elected unanimously to the professorship of English Bible.

The committee also reported the following resolution, which was unanimously adopted:

"In reluctantly granting the request of President Raymond that after Commencement of 1908 he be relieved of the responsibilities of the presidency, we cannot forget with what intelligent, sympathetic, and conscientious devotion, with what modest dignity and with what wise and unflinching discretion he has administered his great office.

"In the eighteen years of his presidency, the University has enjoyed a healthful progress, in its enlarged faculties, its steadily increasing student rolls, its new buildings, and in its growing endowment, and in all these forms of development we recognize that President Raymond has been a most potent factor."

The committee for the selection of an acting president, provided for in the sixth recommendation, was named as follows: B. P. Raymond, chairman, J. M. Buckley, A. W. Hazen, S. H. Olin, W. L. Hoagland, F. M. North, and W. V. Kelley.

The following were appointed a committee to nominate a new president, in pursuance of the seventh recommendation: H. C. M. Ingraham, chairman, W. V. Kelley, G. G. Reynolds, E. G. Andrews, J. M. Buckley, Charles Scott, and G. S. Bennett. They were empowered to add not more than two trustees to their number.

The special act, entitled An Act Revising and Amending the Charter of Wesleyan University, approved by the Governor of Connecticut on June 22, 1907, was presented in printed form and the secretary was directed to file the proper certificate of acceptance with the Secretary of State of Connecticut.

F. M. North presented the following resolution, which was adopted:

"Resolved, that this board hereby places upon record its appreciation of the painstaking service of W. U. Pearne in the preparation of the

PAYMENTS EXCLUSIVE OF CURRENT EXPENSES

New investments	-	-	-	-	-	-	-	-	-	\$172,431	25
North College	-	-	-	-	-	-	-	-	-	36,898	71
South College	-	-	-	-	-	-	-	-	-	15,770	49
Miscellaneous	-	-	-	-	-	-	-	-	-	1,411	70
Transfer to income account	-	-	-	-	-	-	-	-	-	3,769	11
										\$230,281	26

RECEIPTS FOR INCOME

Tuition (excluding \$11,338 remitted)	-	-	-	-	-	-	-	-	-	\$13,251	00
Rents, laboratory and other fees from students	-	-	-	-	-	-	-	-	-	13,992	12
University commons	-	-	-	-	-	-	-	-	-	4,277	14
Women's dormitory	-	-	-	-	-	-	-	-	-	2,580	56
Sundries	-	-	-	-	-	-	-	-	-	779	33
Gifts for income account, special	-	-	-	-	-	-	-	-	-	980	00
Gifts for income account, general	-	-	-	-	-	-	-	-	-	8,750	00
Transfer from permanent funds	-	-	-	-	-	-	-	-	-	3,769	11
Income from general endowment (including Trafton and Ayres funds)	-	-	-	-	-	-	-	-	-	34,745	26
Income from presidency and professorship funds	-	-	-	-	-	-	-	-	-	27,564	35
Income from library endowments	-	-	-	-	-	-	-	-	-	3,895	09
Income from Fayerweather Gymnasium fund	-	-	-	-	-	-	-	-	-	1,312	50
Income from prize endowments	-	-	-	-	-	-	-	-	-	257	00
Income from scholarship endowments	-	-	-	-	-	-	-	-	-	1,987	67
Income from Crawford Memorial fund	-	-	-	-	-	-	-	-	-	37	50
Income from annuity funds	-	-	-	-	-	-	-	-	-	4,562	00
										\$122,740	63

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds	-	-	-	-	-	-	-	-	-	\$17,853	29
Administrative expenses and incidentals	-	-	-	-	-	-	-	-	-	8,806	12
University commons	-	-	-	-	-	-	-	-	-	4,821	51
Women's dormitory	-	-	-	-	-	-	-	-	-	2,786	08
Salaries	-	-	-	-	-	-	-	-	-	62,902	50
Library, book purchases only	-	-	-	-	-	-	-	-	-	4,409	39
Gymnasium	-	-	-	-	-	-	-	-	-	1,634	90
Prizes, endowed	-	-	-	-	-	-	-	-	-	277	00
Prizes, unendowed	-	-	-	-	-	-	-	-	-	245	00
Scholarships	-	-	-	-	-	-	-	-	-	1,987	67
Annuities	-	-	-	-	-	-	-	-	-	4,528	67
Appropriations to departments, laboratories, library, museum	-	-	-	-	-	-	-	-	-	5,595	38

American School at Athens	-	-	-	-	-	-	-	\$200 00
Interest advanced on investments	-	-	-	-	-	-	-	116 66
Interest on loans	-	-	-	-	-	-	-	1,950 00
								\$118,114 17

SUMMARY

		1906	1907
University grounds, buildings and contents		\$920,806 25	\$973,250 62
Investments - - - - -		1,479,590 53	1,522,521 78
Cash - - - - -		15,791 39	24,540 25
Balance due from income account	-	30,228 44	25,422 55
		2,446,416 61	2,545,735 20
Less bills payable and income balances	-	40,534 40	40,354 97
Total property - - - - -	-	\$2,405,882 21	\$2,505,380 23
Increase - - - - -	-	-	\$99,498 02

	1906		1907	
	<i>Receipts</i>	<i>Expenditures</i>	<i>Receipts</i>	<i>Expenditures</i>
General cash account	\$133,294 17	\$128,449 69	\$234,403 66	\$230,281 26
Income account -	119,694 06	131,251 11	122,740 63	118,114 17
Totals - - -	\$252,988 23	\$259,700 80	\$357,144 29	\$348,395 43

The total receipts from investments during the year were \$79,973.96. "The income of the general investments has been divided at the rate of $5\frac{1}{4}$ per cent. among the funds and balances to which these investments belong, no interest being allowed to the profit and loss accounts for general investment and for Ayres scientific endowment, and only the interest called for by agreement being allowed on the annuity funds. The income remaining after the above division (\$185.06) has been added to the income of the general endowment funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent. of the principal of said fund. Any income above $4\frac{1}{2}$ per cent. shall be added to the principal of the fund."

There has been paid in and credited to the Alumni endowment fund \$47,592.86, of which \$2,345.50 was originally credited to the Wesley Bicentennial fund, \$12,250.00 represents gifts made by three alumni during 1904-6, and \$32,997.36 was paid in during the fiscal year 1906-7.

ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was held on Tuesday, June 25, 1907, at 10:00 A. M., in Memorial Chapel, with Vice-President F. H. Parker, '74, in the chair. The following officers were elected for the year 1907-8: *President*, F. H. Parker, '74; *Vice-Presidents*, T. H. Landon, '52, F. D. Beattys, '85, C. L. Newton, '02; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E. Loveland, '89; *Executive Committee*, M. B. Crawford, '74, W. U. Pearne, '74, J. F. Calef, '77, E. G. Derby, '83, S. V. Coffin, '89.

M. A. Knapp, '68, was reëlected alumni trustee, and T. E. Hancock, '71, was elected to succeed A. W. Harris, '80, who had declined reëlection. Both are to serve for a term of five years beginning October 1, 1907.

The report of the committee on alumni endowment fund was presented by W. B. Day, '91, and accepted, and the committee requested to examine the systems for securing funds by annual dues or subscriptions in vogue at Yale, Northwestern, and other universities, and to report upon these and other desirable plans at the next annual meeting.

W. I. Haven, '77, spoke of the movement to raise an endowment for a Wesleyan University bed in the Middlesex Hospital, and W. F. Mallaïeu, '57, moved the appointment of a committee to aid in the plan.

A resolution was adopted commending the sentiment of the student body in condemning a recent violation of public order by members of the freshman class in connection with their annual banquet.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel on Tuesday, June 25, 1907, at 12:00 M., with the president, D. L. Robertson, '78, in the chair.

The following officers were reëlected: *President*, D. L. Robertson, '78; *Vice-President*, J. C. Wells, ex-'88; *Secretary-Treasurer*, C. F. Price, '02, 170 Broadway, New York. C. L. Newton, '02, was appointed assistant treasurer, and C. H. Garrison, '04, was elected alumni representative on the athletic council for a term of three years.

The report of the secretary-treasurer showed 237 paid memberships, and receipts of \$964.50, of which \$900 was paid for coaching as pledged, and \$61.27 for expenses, leaving a cash balance of \$3.23. This is an increase of \$101 in receipts over the preceding year.

THE MUSEUM

During the summer vacation Mr. Loper spent some weeks in work on the fossil fish locality on the western side of Totoket mountain in the southwestern part of Durham, Connecticut. From this locality he has obtained valuable collections in former years, especially in the summer of 1906, as reported in the *Bulletin* of December, 1906. The work of the past summer yielded about one hundred specimens of fossil fishes and plants, some of which are exceptionally fine. Contributions have been made for the expense of the work by Henry G. Newton, '70, and Professor Rice.

The *Bulletin* for May, 1907, contained a notice of a collection of coins and historical medals presented to the museum by Stephen H. Olin, '66. Recently Doctor Olin has added about 130 specimens to this collection, making the total number about 600. Among these additions are about sixty beautiful electrotypes of remarkably fine examples of ancient Greek coins in the British Museum. For purposes of study these electrotypes are practically as good as the originals, and better than original examples of inferior character.

DEPARTMENT NOTES

LATIN.—In response to a considerable demand, especially from students who contemplate the profession of law, a new course in Roman political institutions and law is given this year.

ENGLISH.—A course of two hours a week in the theory and practice of exposition, based upon Buck and Woodbridge's Expository Writing, is given this year by Doctor Davis.

ECONOMICS.—This year the members of the economics seminary are studying selected questions concerning industrial monopoly.

ASTRONOMY.—The course in descriptive astronomy, which has been omitted since the retirement of Professor J. M. Van Vleck, is given this year by Professor McKinney.

CHEMISTRY.—The vacancy caused by the resignation of Professor Benedict has been filled by the appointment of two instructors, Doctor R. R. Renshaw, and C. F. Hale, '03. To Doctor Renshaw have been assigned the lecture and laboratory courses in organic and physiological chemistry, and the new course in industrial chemistry; to Mr. Hale, the lecture course on metals and the three laboratory courses in analytical chemistry.

In response to a desire frequently expressed because of the opportunities which arise in the great manufacturing establishments for the profitable employment of chemical training, a course is offered this year in industrial chemistry. The new course will consist of two lectures a week during the second half-year, supplemented with collateral readings. Especial emphasis will be laid upon the industrial applications of organic chemistry.

The laboratory course in quantitative analysis has been lengthened from two exercises a week to three, in order to afford an opportunity for acquiring greater familiarity with this fundamental prerequisite for the prosecution of either pure or applied chemistry.

For many years the department has felt the imperative need of more room for the proper prosecution of the work of the laboratory courses, particularly in quantitative analysis. It is therefore a source of satisfaction that the northeast room in the basement of Judd Hall, which is now available and is fairly well adapted to the purpose, is being fitted up for use as a quantitative laboratory.

The chemical seminary is this year in charge of Professor Bradley. The work of this course, which has hitherto been devoted exclusively to the chemistry of nutrition, consists of reports and discussions of topics chosen from the general field of chemistry. It is intended to make this course a clearing-house for problems of interest, whether they arise in connection with the regular work of the department or are found in current chemical literature.

GEOLOGY.—On account of Professor Rice's duties as Acting President, he has been relieved of the charge of the class in physical geography for the present year. The general executive committee, therefore, has approved the appointment of Mr. Isaiah Bowman, B. S., instructor in geography in Yale University, as instructor in physical geography to conduct this course, which will be postponed to the second half-year.

BIOLOGY.—In connection with Course VII. in practical biology, there has been organized during the present year a bacteriological journal club and seminary, which is attended by members of the senior class and by graduate students who are specializing in bacteriology. This club meets once a week to review and discuss current bacteriological literature.

APPOINTMENTS TO THE FACULTY

BURTON HOWARD CAMP, elected Instructor in Mathematics, was graduated from Wesleyan University in 1901 with the degree of bachelor of arts. The next year he taught mathematics and physics in Oak Grove

Seminary, Vassalboro, Maine. After studying a year in Harvard University, he was instructor in mathematics in Massachusetts Institute of Technology in 1903-4. The following year, he accepted the appointment of instructor in mathematics in Wesleyan University, but had to give up the work at Christmas, because of illness. After his recovery, he returned to his studies in Harvard University, where he was instructor in mechanics in 1906-7. Mr. Camp received the degree of bachelor of arts from Harvard in 1903, and of master of arts in 1907.

RAEMER REX RENSHAW, elected Instructor in Chemistry, was graduated from the University of Oregon with the degree of bachelor of science in 1902, and of master of science in 1903. For the latter degree he presented a thesis on the Dissociation of Sodium Alcoholates at Higher Temperatures. During 1901-2, he was student-assistant and scholar in chemistry, and from 1902 to 1904 instructor in chemistry, in the University of Oregon. In 1904-05, he was university fellow in chemistry in Columbia University; in 1905-6, instructor in chemistry in the New York Evening High Schools; and in 1907, instructor in qualitative analysis in the summer school of Columbia University. He received the degree of doctor of philosophy from Columbia University in 1907. His doctoral dissertation on 4-Aminophthalic Acid and Some of its Derivatives was privately printed at Easton, Pennsylvania, in 1907. He has also published (with M. T. Bogert) an article on Dimethyl 4-Aminophthalate and Certain of its Acyl Derivatives, in the *Journal of the American Chemical Society* for May, 1906.

CLARENCE FREDERICK HALE, elected Instructor in Chemistry, was graduated from Wesleyan University in 1903 with the degree of bachelor of science, and with special honors in chemistry. In 1907 he also received the degree of master of science. He was instructor in physics and chemistry in Peddie Institute, Hightstown, New Jersey, from 1903 to 1905, and assistant in chemistry in Wesleyan University from 1905 to 1907. He has published Distribution of Temperature in an Air Liquefier of the Single-Circuit Type (with Professor W. P. Bradley), and Effect of Mechanical Vibration on Carbon Dioxide near the Critical Temperature (with Professors W. P. Bradley and A. W. Browne). Both papers appeared in the *Physical Review* in 1904. During the last two years he has been associated with Professor Bradley in a series of investigations concerning the law of heat absorption at the valve of an air liquefier, the results of which will be published shortly.

ALBERT DAVIS, elected Instructor in English, received the degree of bachelor of arts from Columbia College in 1903, of master of arts from

Columbia University in 1904, and of doctor of philosophy from Cornell University in 1906. From 1904 to 1906 he was university graduate scholar in English in Cornell University; and in 1906-7 assistant in English in Wesleyan University. His doctor's thesis on English Nature Poetry in the Eighteenth Century will appear in the *Journal of English and Germanic Philology* at an early date.

ISAIAH BOWMAN, elected Instructor in Physical Geography, after graduating from the Michigan State Normal College at Ypsilanti, entered Harvard University, from which he received the degree of bachelor of science in 1905. He was for one year instructor in geography at the Michigan State Normal College, and during his junior year at Harvard was assistant in geology, and during his senior year assistant in physiography. Since 1905 he has been instructor in geography in Yale University. Since 1903 Mr. Bowman has prosecuted several pieces of survey work, chiefly of a hydrologic nature, under the direction of the United States Geological Survey and the Illinois State Geological Survey, and has published papers embodying the results of such work. He has also published articles and reviews in various periodicals, and is an associate editor of the *Journal of Geography*. He is a member of the Association of American Geographers, the Geographical Society of Philadelphia, the National Geographic Society, and the Connecticut Academy of Arts and Sciences. During the summer of 1907 he spent six months in South America, chiefly in Bolivia and northern Chile, prosecuting geographic work under the auspices of Yale University, and is now preparing to publish the results.

ALEXANDER CHILSON STEVENS, elected Assistant in Physics, was formerly a member of the class of 1906 in Wesleyan University, but completed his course in Cornell University, where he received the degree of mechanical engineer in 1907.

MARGUERITE MORGAN VAN BENSCHOTEN, elected Assistant Librarian, was graduated from Wesleyan University in 1904 with the degree of bachelor of arts. After spending some time in high school teaching, she took a course in library methods in the Brooklyn Public Library, and was later engaged in library work in Brooklyn.

NOTES

PRESIDENT'S REPORT.—In accordance with a recent vote of the trustees, the annual report of President Raymond was presented in printed form, last June, for the first time. It is to be hoped that, following the

practice of many other colleges, this printed annual report may have a wide circulation among the alumni and friends of the University and become the medium through which the President of the University may speak, not only to the trustees, but to the whole constituency of the University, once a year upon the progress and policies of the institution.

COMMENCEMENT.—In addition to the account of the resignation of President Raymond, and the proceedings of the board of trustees, the Alumni Association, and the Alumni Athletic Association reported elsewhere in this *Bulletin*, brief mention may be made of the other events connected with the last Commencement. Contrary to his unbroken custom, President Raymond did not deliver the Baccalaureate Sermon, but invited President Huntington of Boston University to preach in his stead. The University Sermon was delivered by the Reverend Francis J. McConnell, D. D., pastor of the New York Avenue Methodist Episcopal Church in Brooklyn. The awards of prizes were announced by Reverend W. I. Haven, '77. The illumination of the campus and the open air concert on Monday evening was, as usual, the most attractive event of the week. The classes of '57, '72, '82, '97, '02, '04, and '06, held reunions. Marcus White, '88, presided at the Commencement Luncheon, and the list of speakers included President Raymond, W. F. Mallalieu, '57, H. S. White, '82, G. D. Beattys, '85 and W. B. Day, '91. The Rich Prize Contest on Commencement Day was won by R. L. Forman.

REPAIRS AND IMPROVEMENTS.—During the summer Observatory Hall received some repairs and was repainted a light yellowish brown with dark brown trimmings. The Foss House was also repainted. In the Library, the north side of the third floor, which had been used for storage purposes, was cleared by the removal of the accumulation of duplicates and other unused material to the lower floor of South College, where shelves were installed and the books and pamphlets sorted and arranged. Extra shelving is being placed on the portion of the third floor which was thus made available. A new slate roof was put on Judd Hall. The respiration calorimeter and other apparatus, installed in the basement of Judd Hall by the United States Department of Agriculture and the Carnegie Institution of Washington, were removed, to be placed in the new Nutrition Laboratory, which the Carnegie Institution is erecting in Boston under the direction of Professor Benedict. The room thus vacated is being fitted up as a laboratory of quantitative analysis. A new flagstone walk was laid in front of the University property in College Place occupied by Professors Rice and Fisher.

LIBRARY.—Reverend J. C. W. Coxe, D. D., '63, has given to the library a valuable collection of books, consisting of 812 bound volumes

and 1023 pamphlets and numbers of periodicals. The collection contains a large number of works dealing with the history of Methodism, particularly in America. These works, after they have been provided with an appropriate book-plate, will be incorporated with a collection of books on the history of Methodism in Great Britain, purchased by the library some thirty years ago. The united collections cover pretty thoroughly the history of the origin and progress of Methodism in Great Britain and America. The works of a miscellaneous character will be distributed through the library to their proper places in the regular classification.

FACULTY RESIDENCES.—In September, Professor McKinney moved to 101 Broad Street, and Professor Hewitt to 310 William Street. In November, Professor Cady moved into the house, 151 High Street, formerly occupied by Professor E. B. Van Vleck. The new members of the faculty are located as follows: Mr. Camp, 11 Brainerd Avenue; Doctor Renshaw, 40 Church Street; Mr. Hale, 52 Church Street; and Doctor Davis, 240 College Street.

STUDENT RESIDENCE.—The finding list or directory published early in October shows that, of the 278 men in college, 173 were living in fraternity houses, 43 in University buildings, and 62 in private houses. The completion of the Phi Nu Theta House has increased the accommodations, and hence the number living in fraternity houses. The top floor of South College, the first floor, and part of the second, in Observatory Hall, and several rooms in the Foss House are occupied by students. The number living in private houses is about half as large as last year. The freshmen are nearly evenly divided, there being 28 in fraternity houses, 27 in college buildings, and 24 in private houses. The students in private houses are, this year, located more conveniently to the University than a year ago. The opening of North College will be appreciated, not only as furnishing a proper dormitory for those living in private houses, but also as relieving the somewhat cramped conditions in the other college buildings and the fraternity houses.

CONVERSATIONAL CLUB.—The Conversational Club of Middletown, which was founded by President Cummings of Wesleyan University, celebrated its forty-fifth anniversary at the home of the only surviving charter member, Professor J. M. Van Vleck, on Monday evening, November 18. The club includes several of the older members of the faculty and a number of the leading business and professional men of Middletown. Its meetings are held on alternate Monday evenings from October to May, and are social and literary in character.

NEW ORDER OF CHAPEL SERVICE.—A committee of the faculty, composed of Professors Winchester, Harrington, and Fife, have prepared a new order of chapel exercises which was adopted recently. The first service with the new order was conducted by Acting President Rice on November 5. The service opens with the chanting of the invocation, "The Lord is in his holy temple," and the responsive reading from the Psalter, followed by the Gloria. Then follow the reading of the Scriptures, the hymn, and the prayer, the same as formerly. Some other slight changes were made to improve the dignity and impressiveness of the service. The hour of chapel was changed from 7:52 to 7:50 A. M. because of the slightly longer time required by the new form of service.

FACULTY VACATIONS.—Professor Winchester, who had been away on leave of absence since March, returned to Middletown in September, after a tour extending through Italy, Switzerland, France, and England. Professor Rice was in Europe during July and August, and spent some of the time in geological investigations near Freiburg-in-Baden, and later in Switzerland, where he was accompanied by L. G. Westgate, '90, Professor of Geology in Ohio Wesleyan University. Professor Mead also spent two months of the summer in Europe, visiting the mediaeval towns of Germany and passing some time in Holland.

FACULTY ACTIVITIES.—Professor Harrington attended the meeting of the New England Association of Colleges and Preparatory Schools in Boston on October 11, and participated in the discussion of the requirements for admission to college. Professor Dutcher was present at the meeting of the New England History Teachers' Association in Boston on October 19. On October 26 Professor Rice attended the annual Inter-collegiate Geological Excursion of the New England colleges at Providence, and was one of a party of about seventy which spent the day in the study of the carboniferous rocks of the Narragansett basin. On the same day Professors Harrington and Heidel were at the meeting of the Connecticut Section of the New England Classical Association at Norwich Free Academy, at which the former gave an illustrated lecture on The Roman's Playground. Professor Harrington was present at the annual meeting of the Connecticut Society of the Archaeological Institute of America on November 8, and was elected a councillor of the Institute. Professor Fife was the chairman of the meeting of the Connecticut Group of the Modern Language Association at Hartford on November 9. Acting President Rice and Professor Armstrong represented Wesleyan at the annual meeting of the Association of Colleges in New England at Cambridge, Massachusetts, on December 5-6. Professor Winchester attended the meeting, at New Haven, on December 7, of the executive

committee of the Conference of New England College Teachers of English, for the discussion of college entrance requirements in English.

LABORATORIES OF THE STATE BOARD OF HEALTH.—Mention has been made in the *Bulletin* from time to time of the establishment of the State Bacteriological Laboratory at Wesleyan, under the direction of Professor Conn, in December, 1905, and of the gradual extension of its work. The enlarged appropriation of \$7,500 voted by the legislature at its recent session, as reported in the May *Bulletin*, became available on October 1, and from that date the work of the laboratory has been differentiated into the two departments of bacteriology and chemistry. Professor Conn continues in charge of the former department, and is assisted by Miss Alice Cary, B. A., a graduate of Smith College of the class of 1906, who has been in the laboratory during the past year, and by Miss Lena Raye Potter, B. A., who graduated from Wellesley College last June. The chemical work is now entirely in the charge of Mr. James Andrew Newlands, B. A., who graduated from Beloit College in 1903 and then pursued special studies in the Massachusetts Institute of Technology. Mr. Newlands has been connected with the laboratory since its establishment, and is now assisted in his work by Mr. Arthur Lincoln Gammage, B. S., a graduate of the Worcester Polytechnic Institute in the class of 1907.

NEWSPAPER CORRESPONDENCE.—For some years the comparatively scanty mention accorded to Wesleyan in the newspaper press has been a subject of unfavorable comment from faculty, undergraduates, and alumni. In order to remedy this matter, R. B. Chamberlin, '09, has been appointed to act as press agent. He will regularly gather and compile news items concerning the University, and place them at the service of the various student correspondents for newspapers. Arrangements will also be made to supply this information to various papers which are not represented by student correspondents.

YOUNG MEN'S CHRISTIAN ASSOCIATION.—A large delegation from Wesleyan attended the student conference at Northfield last summer. The result of this is shown in an increased interest in Bible study. The most advanced of the several classes is being conducted by Mr. Bulington and is studying the history and conditions of the Bible lands, Palestine, Syria, and Asia Minor. A normal class for the leaders of the fraternity Bible study groups is conducted by Professor Hewitt. A large majority of the freshmen are in the classes for the study of the Life of Christ. A number of Wesleyan representatives attended the fifth annual Connecticut Valley Student Missionary Conference, at Yale University, on October 26 and 27. Four delegates from Wesleyan were present at

the international convention of the Young Men's Christian Association, in Washington, from November 22 to 26. The annual reception for the freshmen was held on October 22, in the Phi Nu Theta fraternity house. Among the speakers who have addressed the Association already this year are Mr. John Callahan, Mr. K. C. Latourette and Mr. F. V. Slack. The Association is receiving great benefit this year from the presence of Mr. Joseph Beech, '99, who is spending a year's leave of absence from mission work in China, pursuing graduate studies in the University.

HOSPITAL BED FOR STUDENTS.—The committee of ladies who are raising an endowment of \$5,000 for a student bed in the Middlesex Hospital have received over \$1,100, and some additional subscriptions. Of this sum \$275 was received from the lecture by Mr. Job and the reading by Mr. Wetzel, last spring, and the lecture by Professor Winchester on Thomas Carlyle, November 14. The remainder has been donated by the University Young Men's Christian Association and the Dramatic Club, and by various alumni and friends. Beginning this year, the income of the fund will be used for the purpose designated, to meet the more urgent demands. It is hoped that the alumni will give their prompt and generous assistance in the completion of this fund. The chairman of the committee, to whom all communications should be addressed, is Mrs. A. C. Armstrong, 166 High Street, Middletown. It may be added that Professor Bradley has recently been chosen a trustee of the Middlesex Hospital in place of the late Henry Woodward, ex-'59.

TRIANGULAR DEBATE LEAGUE.—On Friday, December 13, Williams will meet Wesleyan at Middletown; Wesleyan, Amherst at Amherst; and Amherst, Williams at Williamstown. In each case the home team will uphold the affirmative of the question: "Resolved, That a revaluation, by the federal government, of railway property engaged in interstate commerce is expedient and desirable." Wesleyan will be represented by Curtice, '08, Power, '08, and Streightoff, '09, alternate, against Williams; and by Barbour, '09, Hancock, '09, and Brengle, '10, alternate, against Amherst.

PHI NU THETA HOUSE.—The Phi Nu Theta house was completed in September and occupied at the opening of the college year. The formal dedication took place in connection with the annual initiation on October 11. Professor J. M. Van Vleck, '50, presided and the first initiate of the fraternity and its oldest living member, G. G. Reynolds, '41, H. C. M. Ingraham, '64, and S. H. Olin, '66, took part in the exercises.

CHANGE IN FORM OF THE BULLETIN.—Many of the readers of the May *Bulletin* were puzzled by the change in the title which indicated that the

Bulletin was to be published four times a year, instead of twice as formerly. This was because an application had been made to the United States Post Office Department for the privilege of sending the University publications as second class mail matter, thus effecting a considerable annual saving. This application was successful, and henceforth the *Bulletin* will appear with a title-page like that of the present number. The January number will have as its sub-title, Annual Catalogue; and the June number, Announcement of Courses; while the Bulletin (Old Series) will appear with the old sequence of enumeration in May and December.

CHANGES IN STUDENT REGULATIONS.—The faculty has recently adopted a number of changes in the student regulations. Upon report of the committee on athletic organizations a series of rules was adopted concerning class teams. Another rule has restricted the times at which special examinations may be held. A reduction has been made in the allowance of unexcused absences from recitations, and a new system of "warning" the student adopted. Since October lists of the four classes have been posted on the secretary's bulletin board every Monday, showing the number of unexcused absences then charged against each student.

UNIVERSITY CLUB OF MIDDLETOWN.—This organization, which includes in its membership many of the members of the faculty and several Wesleyan graduates, is now in its fifteenth year. Professor Dodge is president, and Mr. Budington is secretary. The club holds six meetings yearly, which are generally addressed by professors from other colleges and by other well-known speakers. Each year several of the fraternities tender the use of their chapter houses for the meetings of the club.

CHURCH AFFILIATIONS OF STUDENTS.—Professor Nicolson has compiled the following figures concerning the church affiliations of the students this year, as far as the data have been furnished:

	Members	Adherents	Total
Methodist	169	21	190
Congregational	31	7	38
Episcopal	13	5	18
Baptist	11	2	13
Presbyterian	13	—	13
Catholic	7	—	7
Unitarian	4	—	4
Miscellaneous	9	2	11
	257	37	294

PROFESSOR ATWATER'S LIBRARY.—Efforts have been made by dealers to purchase the library of Professor Atwater, which is especially rich in complete sets of chemical and other scientific periodicals. It is planned, however, to secure the library for the University, and further announcement will be made later.

LOCAL ALUMNI ASSOCIATIONS

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.—*President*, G. H. Blakeslee, '93; *Vice-President*, W. L. Snow, '92; *Secretary*, S. F. Crowell, '02, 43 Federal Street., Boston, Mass.; *Treasurer*, C. H. Davis, '00; *Executive Committee*, H. I. Harriman, '95, F. Greenslet, '97, O. F. Herriek, '02. The twenty-fifth annual meeting and dinner will be held about the middle of January.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.—*President*, W. W. Peck, '95; *Vice-President*, M. F. Howland, '03; *Secretary-Treasurer*, C. L. Newton, '02, 84 State Street., Boston, Mass. About thirty-five were present at the first meeting of the year held at the restaurant of the South Station on October 28. Judge R. F. Raymond, ex-'81 and Professor Fife were present as guests and spoke. The problems of disseminating information concerning the University and of attracting new students were discussed, and a publicity committee was appointed. The next meeting will be held in January.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.—*President*, F. R. North, '97; *Vice-President*, W. E. Russell, '93; *Secretary-Treasurer*, J. W. Taylor, '02, Freeport, Maine. This association was organized at a dinner at Lewiston, on April 19, 1907, at which Professor Rice was the guest of honor.

WESLEYAN ALUMNI OF PROVIDENCE.—Several Wesleyan Alumni residing in Providence were the guests of Reverend E. S. Ninde, '87, 88 Providence Street, on November 18, to meet Professor Harrington. The question of organization was raised, and it is expected that an association will be formed.

WESLEYAN UNIVERSITY CLUB OF NEW YORK.—*President*, W. F. Randall, '80; *First Vice-President*, C. H. Judd, '94; *Second Vice-President*, C. D. Burdick, '86; *Secretary*, Ralph Norton, '03, 13-21 Park Row, New York City; *Treasurer*, G. R. Munroe, '93. *Executive Committee: Chairman*, J. A. Anderson, '96, I. S. Haynes, '85, C. P. Tinker, '89, W. B. Tower, '96, W. B. Day, '91. The thirty-ninth annual meeting and dinner

was held at the Hotel Savoy, Fifty-ninth Street and Fifth Avenue, New York City, on Friday evening, December 6, 1907. Among the speakers were Acting President Rice, Judge R. F. Raymond, ex-'81, and Honorable Leslie M. Shaw, ex-Secretary of the Treasury.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.—*President*, W. B. Day, '91; *Vice-President*, J. H. Baker, '03; *Secretary*, H. B. Shonk, '03, 60 Wall Street, New York; *Treasurer*, S. T. Reynolds, '04; *Executive Committee*, K. M. Goode, '04, L. D. Day, '04. The first meeting of the year was held November 15, and the next meeting will be in January.

SYRACUSE ALUMNI.—On December 27, 1906, about a dozen Wesleyan alumni residing in Syracuse or vicinity were gathered for a dinner, through the efforts of S. G. Landon, '89, and L. N. Crane, '90. Mr. Landon was appointed a committee with power to arrange for a similar meeting during the holidays of 1907, but owing to his removal from Syracuse, the matter is now in the hands of S. F. Hancock, '05.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.—*President*, H. K. Munroe, '88; *Vice-President*, G. M. LaMonte, '84; *Secretary*, H. P. Day, '03, Rooms 801-805, Prudential Building, Newark, New Jersey; *Treasurer*, W. MacNaughten, '00. The next annual dinner will probably be held in the early part of February.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.—*President*, W. F. Hamilton, '79; *Secretary*, G. I. Bodine, Jr., '06, 129 South Fourth Street, Philadelphia; *Treasurer*, C. D. Foss, Jr., '91. At the annual banquet on November 29, at the University Club, Professor J. M. Van Vleck was the guest of honor, and Professor Fife was also present.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.—*President*, G. S. Bennett, '64; *Vice-Presidents*, L. A. Lange, '91; J. E. Jenkins, '91; *Secretary-Treasurer*, R. W. Rymer, '00, 507 Connell Building, Scranton, Penn. The next annual meeting and dinner will be held Thursday evening, February 20, 1908, in Scranton.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.—*President*, M. P. Hatfield, '70; *Vice-President*, A. W. Harris, '80; *Secretary*, C. H. Brown, '97, John Crerar Library, Chicago, Ill.; *Choragus*, G. B. Lufkin, '02; *Executive Committee*, Officers, and J. E. Wing, '00, G. D. Petrie, '00. Copies of the University publications and of the Argus, together with the addresses of alumni in Illinois, may be found at the John Crerar Library, Marshall Field Building, 87 Wabash Avenue, Chicago. The next annual meeting and banquet will probably be held during the annual meeting of the American Association for the Advancement of Science, December 30 to January 4.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.—*President*, C. M. Parker, '68; *Secretary-Treasurer*, E. P. Clarke, '85, *Daily Press*, Riverside, California.

Class	RECENT COLLEGE APPOINTMENTS
1892	Olin Freeman Tower, Hurlbut Professor of Chemistry and Director of the Laboratory, Western Reserve University.
1893	Frederick Curry Ostrander, Instructor in French and Spanish, University of Texas.
1894	Charles Hubbard Judd, Professor of Psychology and Director of the Psychological Laboratory, Yale University.
1896	Albert Francis Blakeslee, Professor of Botany and Director of the Summer School, Connecticut Agricultural College.
1898	Philip Bovier Hawk, Professor of Physiological Chemistry, University of Illinois.
1899	Herbert Spencer Davis, Professor of Biology, University of the State of Florida.
1900	Harry Torsey Baker, Assistant Professor of English Literature, Beloit College.
1900	Walter Fenno Dearborn, Assistant Professor of Education, University of Wisconsin.
1901	Burton Howard Camp, Instructor in Mathematics, Wesleyan University.
1902	William Harry Clemons, Instructor in English, Princeton University.
1902	Everett Lynn Thorndike, Instructor in History, Northwestern University.
1903	George Wilber Hartwell, Lectnrer in Mathematics, Columbia University.
1904	Asa Russell Gifford, Assistant in Philosophy, Yale University.
1904	Paul Nixon, Instructor in Classics, Princeton University.
1904	Marguerite Morgan van Benschoten, Assistant Librarian, Wesleyan University.
1904	Henry Adelbert White, University Scholar, Yale University.
1905	Frank Chester Becker, Assistant in Philosophy, Columbia University.
1905	Allan Ferguson, Assistant in Dairy Department, Cornell University.
1906	Harold DeForest Arnold, Fellow in Physics, University of Chicago.

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WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 42 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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PRESS OF PELTON & KING
MIDDLETOWN, CONNECTICUT

1908

CALENDAR

May 30	Saturday		Memorial Day.
June 5	Friday		Final examinations will begin.
June 19	Friday	8:00 P. M.	Prize Declamation Contest.
June 20	Saturday	5:00 P. M.	Preliminary meeting of Phi Beta Kappa.
June 20	Saturday	8:15 P. M.	The Girl and the Graduate presented by the Musical Clubs.
June 21	Sunday	10:30 A. M.	Baccalaureate Sermon, by President Bradford Paul Raymond, D. D., LL. D.
June 21	Sunday	7:30 P. M.	University Sermon, by Reverend George Peck Eckman, D. D.
June 22	Monday	9:00 A. M.	Annual meeting of Phi Beta Kappa.
June 22	Monday	11:00 A. M.	Final Chapel Exercises. Announcement of award of prizes and of preliminary honors.
June 22	Monday	2:00 P. M.	Class Day Exercises.
June 22	Monday	4:00-7:00 P. M.	President's Reception.
June 22	Monday	6:00-9:00 P. M.	Class Reunions.
June 22	Monday	8:00 P. M.	Meeting of the Board of Trustees.
June 22	Monday	8:00 P. M.	Class Day Exercises, Webb Hall.
June 22	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 23	Tuesday	9:00 A. M.	Meeting of the Board of Trustees.
June 23	Tuesday	9:30 A. M.	Meeting of the Alumnae.
June 23	Tuesday	10:00 A. M.	Meeting of the Alumni Association.
June 23	Tuesday	12:00 M.	Meeting of the Alumni Athletic Association.
June 23	Tuesday	12:30 P. M.	Alumni Luncheon.
June 23	Tuesday	3:30 P. M.	Baseball Game, Trinity vs. Wesleyan.
June 23	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 24	Wednesday	10:30 A. M.	COMMENCEMENT. Contest for the Rich Prize. Conferring of Degrees.
June 25	Thursday	9:00 A. M.	Examination of candidates for admission will begin. *
Sept. 30	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Oct. 1	Thursday	9:00 A. M.	College year will begin.

IT IS TO BE HOPED that a large number of Wesleyan alumni will attend the approaching Commencement. Questions of importance are under consideration which should rouse the interest even of those who are seldom seen on the Wesleyan campus. The annual alumni meeting ought to count for more than it does in shaping the policy of the University, and if the influence of the alumni is to be properly felt, they must be present in person and take an active part in discussing questions of importance.

This is not the place to suggest the specific questions that should properly come before the alumni meeting. The various Wesleyan alumni associations have been discussing topics of importance, and some of these might well be formulated and considered at the annual meeting. United action in the development of a policy of progress might result in large advantage. Questions concerning the relation of the alumni to the finances of the University, to the increase of the number of students, to the spread of information concerning the work of the institution—these and scores of similar topics will readily suggest themselves when once attention is directed to the matter.

The collegiate year that is drawing to a close has been marked by no important event, but it has nevertheless been one of steady growth. In an interregnum between two administrations no large policy can be elaborated and pushed to a successful issue, yet a considerable number of matters, comparatively unimportant when taken singly, may be cited as indicating progress.

At the opening of the winter term the new North College was first occupied as a dormitory. It is gratifying to report that the building has proved fully equal to expectations.

For many years the University has owned the greater part of the large square on which most of the college buildings stand. Recently the only plot of ground that was hitherto unacquired became the property of the University. Since the issue of the last *Bulletin* the club

house in College Place, with sufficient land for the erection of an important college building, has been purchased. It may be noted also, in passing, that one of the fraternities has purchased property in High Street, facing the campus, with a view to the erection of a chapter house at no distant day.

The revised course of study has been more definitely formulated during the present year, and will go into effect in September. This new system is in harmony with the general development of education in American universities, and provides a well-balanced course adapted to individual needs and preferences, but guarded against abuse by a carefully regulated group system.

The department of Mathematics is to have as its head next year Associate Professor Leroy Albert Howland, of the class of 1900 at Wesleyan. Mr. Howland has been studying in Europe during the past two years, and is expected to return in August.

The following resolution was adopted unanimously by the faculty at its meeting on March 3, 1908:

Resolved, That, as the term of Professor Rice's duty as Acting President will probably expire at the return of President Raymond in a few days, we, his colleagues of the faculty, desire to express our appreciation of his tireless fidelity in attention to all college business, his prompt and courteous efficiency as a presiding officer, and his tact and sound judgment in all the details of administration.

By the decision of the Trustees of the Carnegie Foundation for the Advancement of Teaching, Wesleyan is at present excluded from participation in the benefits of its system of retiring allowances for professors. It is a satisfaction to know that the exclusion is not due to inferiority in the standards of scholarship of the University, to insufficient equipment, to illiberal views on the part of the trustees, faculty, students, or patrons, or to restrictions on the freedom of belief of those who are charged with the work of instruction, but merely to the fact that the election of a minority of the board of trustees—a minority never to exceed one-fourth of the membership of the board—is vested in the

conferences which have been the supporters of the University since its foundation. The charter expressly forbids the application of any denominational test in the choice of any trustee or member of the faculty.

It may be of interest to announce that at the last meeting of the board of trustees of the University a committee was appointed to consider the question of retiring allowances for members of the faculty. This committee is to report at Commencement.

In the December *Bulletin* mention was made of the alumni associations and of the desirability of organizing the alumni in the few possible localities where associations had not yet been formed. Since then, the association at Syracuse has completed its organization, and the Providence alumni have taken steps to effect a formal organization. New associations have been formed at Washington, Pittsburg, and Albany. Now practically every possible group of alumni outside of the state of Connecticut has been organized. The question of the advisability of forming associations in the state is upon a somewhat different basis, but certainly some advantages might be derived from efficient organizations in Hartford and New Haven, and important services might be rendered by an association in Middletown itself. The New Haven alumni have just held a dinner and have arranged for a similar gathering next year. The Hartford alumni have shown their interest in the University activities during the year, and are also talking of forming an association.

If, as suggested in a previous editorial, the general Alumni Association is to render real service to the University, most of the work must be done in the local associations, and the meeting at Commencement made a clearing-house for the interchange of ideas, for the development of plans of action, and for the choice of methods of work. As previously stated, the two ways in which the alumni may be of greatest service to the University are in securing an improvement in its finances, and in increasing the number of students. Since its foundation, Wesleyan, like other institutions, has benefited greatly from sporadic efforts

to add to its funds, but the alumni of Wesleyan should not be behind those of other institutions in formulating a permanent plan for regular and steady increase of the University funds by an annual subscription or contribution from each alumnus. A few of the alumni have already awakened to the importance of this idea, and they should take measures at the approaching Commencement for the development of the plan.

The coöperation of the local alumni associations through the medium of the general Alumni Association has already been proposed. To secure such coöperation it is desirable that there should be a small central committee. It may be suggested that either the presidents, or better the secretaries, as the more permanent officers, of the local associations should form a standing committee of the general Alumni Association, and possibly meet more frequently than once a year. Many institutions have, within a few years, formed organizations of their class secretaries for such a purpose. These associations of class secretaries have proved very efficient in the execution of financial plans and in the compilation and publication of biographical records and directories of the alumni. One or both of these ideas should be carried out.

In the *Bulletin* of May, 1907, special attention was called to the importance of prompt and efficient work by the alumni in directing new students to Wesleyan. Since then this matter has received more or less attention at practically every alumni gathering, and now action, both individually and through the associations, should be devoted to securing a large entering class next September. The discussion and work of the past year should result in making the class of 1912 the largest that has yet matriculated in the University.

One action taken by the University during the present year should prove of service in making it simpler for students to enter Wesleyan. The University has joined the College Entrance Examination Board, which already gives uniform entrance examinations in June for the participating colleges, throughout the United States and even in foreign

countries. Examination centers are, or may be, established at, or in close proximity to, the most important preparatory schools. Accordingly, beginning in 1909, the intending student may take the June examinations in his own locality and will not be compelled to come to Middletown. Professor Nicolson represents Wesleyan on the Board.

The articles in this *Bulletin* on the Library and the Museum show the steady growth of these two important parts of the University, and the large part played by direct gifts, mostly from alumni, in this growth. Mr. Loper, the efficient and indefatigable curator, is regularly present in the Museum during Commencement week and will welcome visiting alumni and their friends. The growth of the Museum is entirely dependent upon gifts, and the alumni should make themselves familiar with its present condition and needs. The expansion of the Library during the past few years has been exceedingly gratifying, but this has been due far more to gifts of books than to purchases. It is hoped that these gifts of books will not decrease, but the need of continuing growth of the funds for making purchases should not be overlooked, for many of the most important and pressing needs can only be met by purchase, as there are large fields of scholarship which are almost never touched by gifts of books. Special gifts of money for the purchase of seminary libraries are greatly needed, for with the exception of one or two departments such libraries do not now exist, and in their selection the utmost care is necessary in order to assure the greatest usefulness from the fewest books.

Special attention of those interested in religious conditions among the students of the University is called to the statement of the work of the student Christian Association during the present year, which appears on another page. Those connected with the work of the Association feel that the voluntary interest and activity of the undergraduates in religious matters are distinctly greater than for several years past. For two years President Raymond has been offering a course in English Bible, which has been largely elected. This course will be expanded into two courses next year, one on the Old Testament and one on the New Testa-

ment. Those who desire to promote the religious welfare of the students should encourage these and other efforts to develop the interest and direct the voluntary activities of the students along religious lines. The Christian Association has long felt the need of being properly housed and of the direction of a salaried secretary.

The firm of W. T. Littig and Company of New York have in preparation a photogravure in sepia, fifteen by twenty-eight inches, of the University campus and buildings, similar to those which have been prepared by the same firm for a number of other colleges. The University has contracted for a certain number of the pictures, and will place about half of them in preparatory schools and other institutions, but the remainder will be for sale, at five dollars each, to the alumni, who may obtain them from the Secretary of the Faculty, Professor Frank W. Nicolson.

TRUSTEE MEETING

A special meeting of the Board of Trustees was held at 150 Fifth Avenue, New York City, on Thursday, April 9, 1908, with President H. C. M. Ingraham in the chair.

Reverend William I. Haven, D. D., was elected trustee to fill the vacancy caused by the death of Bishop Andrews, term to expire in 1910.

The following appointments were made to the board of instruction:

J. W. Wetzel, Ph. B., Instructor in Public Speaking for one year.

R. C. Super, M. A., Instructor in Modern Languages for one year.

J. W. Hewitt, Ph. D., Associate Professor of Latin and Greek, with indefinite tenure.

L. A. Howland, M. A., Associate Professor of Mathematics for one year.

B. H. Camp, M. A., Instructor in Mathematics for one year.

J. W. Turrentine, M. S., Instructor in Chemistry for one year.

R. R. Renshaw, Ph. D., Instructor in Chemistry for one year.

D. D. Whitney, B. A., Instructor in Biology for one year.

Miss M. M. van Benschoten, B. A., Assistant Librarian for one year.

Miss Julia Brazos, Ph. B., Dean of Women for one year.

A committee, consisting of B. P. Raymond, F. M. North, S. W. Bowne, J. E. Leaycraft, and G. S. Bennett, was appointed to consider the matter of retiring allowances for members of the faculty and to report at the next meeting.

It was voted to grant the request of Miss Mead that the money already contributed by her, with \$10,000 to be added, be applied to the endowment of the new chair of the English Bible.

The local executive committee were empowered to purchase the Childs property in Wyllys Street, and the Phi Nu Theta property in College Place.

Upon recommendation of the faculty, it was voted that bachelors of philosophy of Wesleyan University, who, after Commencement, 1908, apply for a master's degree, shall be eligible for the degree of master of arts; and that bachelors of philosophy of Wesleyan University, who are enrolled as candidates for a master's degree prior to Commencement, 1908, and who may complete their course of study after that date, shall be eligible for the degree of master of arts.

Upon recommendation of the faculty it was voted to change the wording of rules 4 and 5 as published under the heading "Degrees" in the Catalogue for 1907-8 (page 116) to read as follows:

4. The degree of master of science is conferred upon bachelors of science of Wesleyan University, and upon graduates of other colleges holding an equivalent degree, under the same conditions which govern in the case of the degree of master of arts.

5. Bachelors of science of Wesleyan University, and graduates of other colleges holding a bachelor's degree other than that of bachelor of arts, who pass such examinations in Greek or Latin, and in other literary studies, as the committee on graduate instruction may prescribe, are admitted to the degree of master of arts on the conditions prescribed in the case of bachelors of arts.

RECENT GIFTS

Since the publication of the December *Bulletin*, \$1,807.20 has been paid in for the Alumni endowment fund, and \$300 for the Undergraduate building fund for North College. The Nye bequest of \$46,223.49 has been paid in; and an additional \$10,000 has been received from the Estate of Harriet W. Wilcox, making a total of \$68,700 received from the estate during the past four years, of which \$20,000 was for the library endowment and the remainder for the general endowment fund. J. C. Graham, '90, has given \$50 for the purchase of apparatus for the department of Physics.

Only gifts of money are reported under this caption. Other important gifts are acknowledged under the headings of Department Notes, Library, and Museum.

DEPARTMENT NOTES

GREEK.—The collection of lantern slides has been increased during the year by the purchase of two hundred slides illustrating the private life of the Greeks. During the past year and a half the volumes of the Greek Commentaries on Aristotle, published by the Berlin Academy, have been purchased, and now the set is complete as far as issued. This work is invaluable for the study of Greek philosophy, and has already proved exceedingly useful to the department.

LATIN.—During the year considerable additions to the collection of lantern slides have been made, including a set illustrating the expedition of Hannibal from Carthage to Cannae.

Several photographs, including two large views of the Roman Forum since the recent extensive excavations, have just been imported from Rome for the walls of the Latin class rooms.

PHYSICS.—Through a gift from a generous friend of the University, George Wood Vinal, B. A., '06, was secured as Assistant in Physics for the latter half of the college year, to aid Professor Cady in carrying on investigations in electricity.

CHEMISTRY.—At the request of the department the following industrial companies have sent collections of samples, illustrative of their processes and products, to be used in connection with the course in industrial chemistry, which is given for the first time this year, namely: American Encaustic Tiling Company, Zanesville, Ohio; American Cotton Oil Company, New York, New York; Castner Electrolytic Alkali Company, Niagara Falls, New York; Union Carbide Company, Niagara Falls, New York; Barber Asphalt Paving Company, Maurer, New Jersey; Pittsburg Plate Glass Company, Pittsburg, Pennsylvania; Standard Paint Company, New York, New York; Barrett Manufacturing Company, Zanesville, Ohio; Heyden Chemical Works, New York, New York; and The Norton Company, Worcester, Massachusetts. The names of the companies indicate sufficiently the nature of the exhibits, except in the last three cases. These contributed coal tar products, artificial fruit flavors, and abrasive materials, respectively.

Concerning the acquisition of Professor Atwater's library for the University, it is only possible to announce at present that negotiations have gone far enough to assure the retention of this valuable collection at Wesleyan.

Former students in the department may be interested to know that the Nutrition Laboratory of the Carnegie Institution, of which Professor Benedict is the first director, has been installed in its new building near

the Harvard Medical College in Boston, and that the calorimeter and accompanying equipment, formerly in Judd Hall, have been transferred thither.

CHANGES IN THE COURSES OF STUDY

The December *Bulletin* contained a general statement concerning the revision of the course of study which had recently been completed by the faculty and the trustees. It is now possible to make statements concerning the application of the changes to the different departments, though the full details are reserved for the Announcement of Courses to be issued in June.

Beginning next September, the general provisions of the new program will be fully enforced for all new students, and as far as practicable for those now in the University. The degree of bachelor of philosophy will not be conferred after the approaching Commencement, and present candidates for it will receive the degree of bachelor of arts.

The different departments are affected not only by the change from the system based upon required courses to the plan of free elections within groups, but also by certain subsidiary changes of policy. Beginning next year, recitations will be held on Saturday morning as well as on the five preceding days of the week. This change is made because of the desire to increase the number of three hour courses, and so reduce the number of different courses which a student may be pursuing at the same time. Certain courses are to be modified so that they may be adapted for students desiring to enter professional schools with advanced credit. This is in accordance with a resolution adopted by the faculty last year, and it will no doubt be followed by a further application of the principle as opportunity and the resources of the University may permit. The change of instructors in two or three departments results in some modification of the courses offered. In several instances the other changes have been accompanied by a rearrangement of the numbered order of courses.

The more important changes in the different departments follow. Unless otherwise indicated the courses are substantially the same as those of corresponding number in the present Catalogue.

LATIN.—Courses I, I A, IV, V, VII (former V), VIII (former VI), XIII, XVI, and XVII will be given next year.

Course I is now made optional and reduced from four to three hours. The reading will be in Livy, Terence, and Plautus. Freshmen taking Course I may elect an additional hour, Course I A, for practice in rapid

reading and composition, under Professor Nicolson. Course IV in the Satires and Epistles of Horace, and Course V (former XII) in Pliny's Letters are given for two hours in the first and second half-years respectively, and will be followed in alternate years by Courses II and III; these four courses being designed especially for sophomores.

Course XIII (former XI), Roman Philosophy; Course XIV (former XV), Roman Private Life and Social Institutions; and Course XVII (former XVIII), Historical Latin Grammar, will each be extended to three hours, the last two being half-year courses. It should be noticed that Greek X, a new course, deals equally with Greek and Roman Mythology.

GREEK.—Courses I, IA, II (to be given by Professor Heidel), III, V, VI, IX, X, XI (former IX), and XIII (former XII) will be given next year.

Course I, readings from Lysias, Plato, and Xenophon, is now made optional and reduced from four to three hours. A fourth hour, Course IA, may be elected by the members of this class for rapid reading of the Odyssey. Professor Heidel will give the regular course, and Professor Hewitt the supplementary hour. Professor Hewitt will give Course V, Plato's Gorgias and Demosthenes's Oration on the Crown, and Course VI, Greek Lyric Poets, for three hours a week, in the successive half-years. Course IX (former VIII) will be given by Professor Hewitt, who will also offer Course X, Greek and Roman Mythology, for two hours a week during the first half-year. This subject will be discussed from the anthropological rather than the literary point of view, and the course is designed as an introduction to the study of religion. It should be noted that this course and Course XI, Greek Civilization, are open to students who do not possess a reading knowledge of Greek.

GERMAN.—Courses I, II, III, IV (former V, reduced from three to two hours), V (former VI, to be given by Professor Fife), VII, IX (former IV), and XI (former IX) will be given next year.

Course VII will be a study of the life and works of Heinrich Heine, with illustrative readings. Courses III, IX, and XI, will hereafter be open only by permission of the instructor.

ROMANCE LANGUAGES.—Courses I, II, III, IV, V, VI, VIII, IX, and X will be given next year.

ENGLISH LITERATURE.—Courses I, IV, VII, VIII, IX (former X, reduced in credit to one hour), and X (former IX) will be given next year.

ENGLISH LANGUAGE.—Courses I, II, III, V, VI, and VIII will be given next year.

Hereafter the class in rhetoric for freshmen will meet twice a week, with credit for two hours. The entire class will meet once a week for a lecture by Professor Mead; and sections of the class will meet the instructor, Mr. Gillett, for recitation on the text-book and for instruction in composition. The private criticism of essays will be continued as heretofore. In Course II, the allowance of credit will hereafter be one hour each in the sophomore and junior years. Course III, the Expository Essay, will be given by Professor Mead. Various questions connected with the theory of exposition will be treated in lectures and in assigned exercises. Some study will be given to the best models of expository writing, and there will be as much drill in practical composition as the time will permit. The course will be open to juniors and seniors by permission of the instructor, and will be given one hour a week through the year.

PUBLIC SPEAKING.—Courses A, B, and C will be given next year. In Course C special attention will be given to argumentation.

HISTORY.—Courses I, III, IV, and VI will be offered next year.

Course I, English History, will hereafter consist of three, instead of two, lectures weekly, and the text-book requirement will be somewhat increased. Course IA will consequently be dropped. Course I will henceforth be open to freshmen as well as sophomores. In Course VI, Historical Seminary, the study of the Reconstruction Period will be continued, beginning with March, 1867.

ECONOMICS AND SOCIAL SCIENCE.—Courses I, II, V, VI, and VIII will be given next year. Course VIII, Economic Seminary, will be devoted to studies of the labor problem.

PHILOSOPHY.—Courses I, II (former III, extended to three hours a week), IV, V (former X), VI (former IV), VIII (former VI), IX (former VII), X (former VIII), and XI will be given next year.

Elementary Psychology and Logic are combined as Course I, which will be elective for sophomores and preparatory to all advanced study in the department. Course IV, Educational Psychology, is offered, for the first time, by Professor Dodge, and will consist of a systematic discussion of the laws of mental development and the psychological basis of educational theory and practice. In conjunction with Course I, this is planned to meet the requirements in educational psychology of those states and cities which demand the professional training of teachers, but it is also intended to serve the needs of those whose interest in the

psychological problems of education is non-professional. This course will alternate with Course III, Advanced Psychology, which will hereafter be a two hour course open to juniors. Courses IX and X, Modern Philosophy, will be given three hours a week instead of two. The additional time thus gained will permit the enlargement of these courses in relation to the later movements of modern philosophy especially in England and the United States. Course XI, Philosophical Seminary, will meet two hours a week through the year, replacing former courses XI and XII.

ETHICS AND RELIGION.—Ethics will be given during the first half-year, and Evidences of Christianity during the second half-year, each three times a week. During the first half-year there will be a new course in the New Testament, followed in the second half-year by a course in the Old Testament, each being given twice a week. All four courses will be offered by Doctor Raymond.

MATHEMATICS AND ASTRONOMY.—Mr. L. A. Howland, '00, who was instructor in the department in 1905-6, has been elected associate professor in charge of the department.

Next year Professor Howland will give Courses I, III, IV (former III), VI (former V), and VII (former VI). Mr. Camp will give Courses II, V, XIII (former XII, increased to three hours for the year), and XV (former XIII).

Course II, Trigonometry, may be taken in either the first or the second half-year. Course I, Solid Geometry, will be given during the first half-year, and Course III, Analytical Geometry, during the second half-year. Courses I-III are given three times a week and are intended for freshmen. Course V (former II and IV) is an advanced course in Algebra and Analytical Geometry given three times a week through the year.

PHYSICS.—Courses I, II (former III), V (former VI), VI (former VII), VII, VIII, IX (former VIII), XI, XII, and XIII will be offered next year.

Course I will hereafter be a general course in elementary Physics, three times a week through the year, conducted by Professors Crawford and Cady. This may be accompanied or followed by Course II, an elementary laboratory course two or three times a week. During the first half-year Professor Cady will give Course VII, a three hour course of lectures and experiments in Electricity and Magnetism; and this will be followed, in the second half-year, by Course VIII, with their practical applications.

CHEMISTRY.—I, II (former IV, to be given by Mr. Turrentine), III (to be given by Professor Bradley), IV (former V, transferred to first half-year), V (former VI, given by Mr. Turrentine), VI (former VII), VII, VIII (former XI), IX, X, XI (former VIII), XII (former X), XIII (former XII), XIV (former XIII), XV (former XIV) will be given next year.

Former Courses I and II are to be combined into a single elective, Course I, covering both the non-metallic elements and the metals. This course will be given by Professor Bradley three times a week through the year. It will be elective for freshmen, and will be a prerequisite for the election of all other courses in Chemistry. Course X (former IX), the laboratory course in organic chemistry, may be elected next year for either two or three periods a week. To those who elect the additional period, Dr. Renshaw will give opportunity for practice in proximate organic analysis. Two new lecture courses will be given by Mr. Turrentine; Course VII will constitute an introduction to physical chemistry, with especial reference to the chemistry of solutions; Course IX will deal with the principles of electrochemistry and with the application of electricity to chemical industries. Each course will be given twice a week for a half-year.

Mr. Turrentine, a graduate of the University of North Carolina, who is just completing his studies for his doctor's degree at Cornell University, will take Mr. Hale's place as instructor. Mr. Hale will study for the degree of doctor of philosophy at Cornell, where he has been appointed a graduate scholar.

GEOLOGY.—Courses I, II, III, IV, V, and VI will be given next year.

Courses V and VI, Mineralogy, will be three hours a week. Course I, Physical Geography, will be open to all classes, but certain courses in other departments of science are made prerequisite for the election of all other courses in this department.

BIOLOGY.—Courses I, II, III, IV, V, VI, VII, and VIII will be given next year.

Courses VI and VII, Practical Biology, will be extended along certain lines. Fuller instruction in practical botany will be given, with special reference to students contemplating the study of forestry or intending to teach. Instruction in histology will be greatly extended for the benefit of prospective medical students, so that they may enter medical schools with advanced credit.

Mr. D. D. Whitney, '04, who is now completing his graduate studies at Columbia University, has been elected to succeed Mr. Budington, and will assist especially in Courses III, V, VI, and VII. Mr. Budington has been appointed associate professor of Zoölogy at Oberlin College.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

Sermons, Baccalaureate Sunday, First Methodist Episcopal Church:

June 23, 1907.—President William Edwards Huntington, Boston University: "Behold I have set before thee an open door."—Revelation 3, 8.

Reverend Doctor Francis John McConnell, Brooklyn, New York: "For this my son was dead, and is alive again; he was lost, and is found."—Luke 15, 24.

Toasts, Commencement Luncheon, Fayerweather Gymnasium:

June 25, 1907.—Marcus White, '88, *Toastmaster*.

President Raymond: Wesleyan.

Reverend Bishop Willard Francis Mallalieu, '57: Men of the Fifties.

Waters Burrows Day, '91: Loyalty.

Professor Henry Seely White, '82: Wesleyan in Pedagogy.

George Davis Beattys, '85: The Law and its Moral Background.

Sermons and Addresses, Memorial Chapel:

October 6, 1907.—Memorial Service for Professor Atwater.

President Raymond: Introductory Remarks.

Professor Rice: Professor Atwater as Classmate and as Colleague.

Doctor Alfred Charles True, Washington, D. C.: The Relation of Professor Atwater to Agricultural Experiment Stations in the United States.

Doctor Francis Gano Benedict, Boston, Massachusetts: Professor Atwater as a Scientific Investigator.

Professor Winchester: Professor Atwater as a Friend.

January 30, 1908.—Reverend Doctor Charles Le Roy Goodell, New York, New York: The Mystery of Godliness; a Sermon on the Day of Prayer for Colleges: "And without controversy great is the mystery of godliness: God was manifest in the flesh, justified in the spirit, seen of angels, preached unto the Gentiles, believed on in the world, received up into glory."—1 Timothy 3, 16.

March 19, 1908.—Mr. Wetzel: Recital of Stephen Phillips's The Sin of David.

April 26, 1908.—Reverend Doctor Homer Clyde Stuntz: The Philippines.

May 10, 1908.—President Raymond: The Good Samaritan.

Toasts, Washington's Birthday Banquet, Fayerweather Gymnasium:

February 22, 1908.—George Silas Coleman, '76, *Toastmaster*.

Acting President Rice, '65: Wesleyan University.

Lieutenant Governor Everett John Lake, Hartford, Connecticut:
The State.

Professor Fisher: The Faculty.

William Seaver Woods, '95: Literature and the College.

Justice Arthur Eugene Sutherland, '85: "What are we here for?"

Samuel Fuller Crowell, '02: Boston Alumni.

Horace Durar Byrnes, '00: New York Alumni.

Isaac Crawford Sutton, '00: Philadelphia Alumni.

David Burnet Scott, Williams College: Williams.

Raymond Silas Munson, '08: The Undergraduates.

Lectures before the Department of Philosophy, Fisk Hall:

November 21, 1907.—Professor Walter Goodnow Everett, Brown University: Friedrich Nietzsche; a Study in the Ethics of Might.

March 7, 1908.—Professor Josiah Royce, Harvard University: Loyalty as a Principle of the Moral Life.

Lecture before the Department of History, Fisk Hall:

April 29, 1908.—Professor Theodore Clarke Smith, Williams College: British and American Opinions of the Revolution.

Lecture before the Classical Club, Fisk Hall:

(*President*, R. S. Curtice, '08; *Secretary*, F. A. Shailer, '09.)

February 7, 1908.—Professor Harrington: A Roman Country Gentleman of the First Century.

Lecture before the French Club, Fisk Hall:

(*President*, C. E. Graves, '08; *Secretary*, F. L. Hewitt, '09.)

March 9, 1908.—Professor Kuhns: La Suisse et les Alpes.

Lectures before the Middletown Scientific Association, Scott Laboratory:

(*President*, Professor Cady; *Secretary*, Mr. Newlands.)

June 11, 1907.—Mr. Carpenter: The Energy Output during Digestion.

October 15, 1907.—Professor Albert Potter Wills, Columbia University: A Hydrodynamic Analogy with Electricity and Magnetism.

November 12, 1907.—Doctor William McDonald, Jr., Butler Hospital for the Insane, Providence, Rhode Island: Criminal Responsibility.

December 10, 1907.—Professor Arthur Wesley Browne, Cornell University: Some Recent Advances in Inorganic Chemistry.

January 14, 1908.—Professor Conn: Hydrophobia.

February 10, 1908.—Doctor Louis Agricola Bauer, Director of the Department of Terrestrial Magnetism of the Carnegie Institution of Washington: A Magnetic Survey of the Oceans by the Carnegie Institution of Washington.

March 10, 1908.—Mr. William Angell Viall, Secretary of the Brown & Sharpe Manufacturing Company, Providence, Rhode Island: Apprenticeship and Manual Training.

April 14, 1908.—Professor Edward Williams Morley, West Hartford, Connecticut: The Ether and Ether Drift.

May 12, 1908.—Professor Crawford: Steam Turbines.

Papers and Talks before the Apostles' Club:

(*President*, Professor Heidel; *Secretary*, Professor Hewitt.)

October 18, 1907.—Professor Fisher: Politics in Middletown.

November 15, 1907.—Professor Mead: Germany, 1886-1907.

December 17, 1907.—Professor Nicolson: Canadian Colleges.

January 10, 1908.—Professors Dutcher and Fife: Reports from holiday meetings of learned societies.

February 7, 1908.—Professor Armstrong: Recent Progress in Ethics.

March 13, 1908.—Professor Kuhns: The Transcendental Treatment of Nature.

April 10, 1908.—Professor Fife: A Universal Language.

May 8, 1908.—Professor Hewitt: The Religion of Early Greece.

FACULTY LECTURES AND PUBLICATIONS

PROFESSOR RICE.—*Lecture*.—The Christian Duty of Mental Culture. Roseville Methodist Episcopal Church, Newark, New Jersey, June 9, 1907.

Publication.—[The Parochial School]. *Penny Press*, Middletown, September 18, 1907.

PROFESSOR WINCHESTER. — *Lectures*. — The Bible as Literature. Rhode Island Congregational Club, Providence, Rhode Island, October 14, 1907; Methodist Social Union, Providence, Rhode Island, March 4, 1908; New Hampshire Convention of the Epworth League, Keene, New Hampshire, April 7, 1908.

Art, Love, and Religion in the Poetry of Browning. Mid-year Meeting of the New York East Conference of the Methodist Episcopal Church, Mount Vernon, New York, October 15, 1907.

Whittier as a Poet. Congregational Club, New York, New York, December 16, 1907; Middlesex County Historical Society, Middletown, December 17, 1907.

Three Plays of Shakespeare (three lectures). Hotel Waldorf-Astoria, New York, New York, January 31, February 14, and March 6, 1908.

The Prose Writers of the Age of Queen Anne (six lectures). Hartford, Connecticut, February 29-April 4, 1908.

Single lectures in Springfield and Lawrence, Massachusetts; Hartford and Derby, Connecticut; Wilkes-Barre, Pennsylvania; Pratt Institute, Brooklyn, New York; Drew Theological Seminary, Madison, New Jersey; Centenary Collegiate Institute, Hackettstown, New Jersey; and five lectures at Wells College, Aurora, New York.

Publication.—John Wilson. *Methodist Review*, v. 90, pp. 186-201, March-April, 1908.

PROFESSOR CONN.—*Lectures.*—Our Friend the Microbe. Stamford Scientific Association, Stamford, Connecticut, January 10, 1908; and also before the New York Military Academy, Cornwall, New York; Wesleyan Academy, Wilbraham, Massachusetts; and the Montclair Military Academy, Montclair, New Jersey.

Malaria. Montclair High School, Montclair, New Jersey, March 6, 1908.

Milk as a Distributor of Disease. Public Charities Association, New York, New York, April 4, 1908.

The Work of the State Bacteriological Laboratory. Windham County Medical Association, Putnam, Connecticut, April 23, 1908.

Have We Outgrown Darwinism? Mount Holyoke College, South Hadley, Massachusetts, May 8, 1908.

Publication.—Practical Dairy Bacteriology. Pp. 314, figs. 86. Orange Judd Publishing Company, New York, 1908.

PROFESSOR ARMSTRONG.—*Lectures.*—The Religious Philosophy of Rousseau, Philosophical Club, Yale University, New Haven, Connecticut, March 27, 1908.

Saint-Gaudens: a Sculptor of the Ideal. Middlesex Congregational Association, Middletown, April 7, 1908.

The Idea of Feeling in Rousseau's Religious Philosophy. New York Branch, American Psychological Association, New York, New York, April 27, 1908.

Publications.—The Issues of Pragmatism. *Methodist Review*, v. 90, pp. 258-268, March-April, 1908.

Review of Calkins's Persistent Problems of Philosophy. *Journal of*

Philosophy, Psychology, and Scientific Methods, v. 4, pp. 440-443, August 1, 1907.

Review of Pearson's Some Problems of Existence, *Philosophical Review*, v. 16, pp. 550-551, September, 1907.

Review of Benn's History of English Rationalism in the Nineteenth Century. *Philosophical Review*, v. 16, pp. 649-651, November, 1907.

PROFESSOR MEAD.—At the annual meeting of the American Dialect Society in Columbus, Ohio, in December, 1907, Professor Mead was re-elected Secretary of the Society, and is, therefore, *ex-officio* Editor of *Dialect Notes*.

PROFESSOR HARRINGTON. — *Lectures*. — 'The Romans' Playground. Connecticut Section, New England Classical Association, Norwich, Connecticut, October 26, 1907.

The Music of the New Methodist Hymnal. Meeting of Methodist Episcopal Ministers of Providence and Vicinity, Providence, Rhode Island, November 18, 1907.

A Day in Rome. New Britain, Connecticut, March 20, 1908.

Addresses given before Battin High School, Elizabeth, New Jersey; and the seminaries at Montpelier, Vermont; Tilton, New Hampshire; Kent's Hill, Maine; and Bucksport, Maine.

Publications. — The Latinity Fetish. *The Classical Weekly*, v. 1, pp. 138-141, February 29, 1908.

The Amusement Problem. *Christian Advocate*, v. 83, pp. 61-62, January 9, 1908.

PROFESSOR BRADLEY. — *Lectures*. — Four Stories of Matter. Wyoming Seminary, Kingston, Pennsylvania; High Schools of Scranton and Wilkes-Barre, Pennsylvania, February 19-20, 1908.

PROFESSOR KUHN. — *Publications*. — John Huss, the Witness. Pp. 174. Cincinnati, Jennings & Graham, 1907.

Selections from Boileau, with an Introduction and Notes. Pp. viii, 142. Boston, D. C. Heath & Company, 1908.

Pennsylvania Germans as Teachers of Science in Colleges and Universities. *The Pennsylvania German*, pp. 121-125, March, 1908.

PROFESSOR FISHER. — *Publication*. — Annual Message of the Mayor of the City of Middletown for the year ending December 31, 1907. Pp. 23. Middletown, Pelton & King, 1908.

PROFESSOR HEIDEL. — *Publications*. — American Doctoral Dissertations in Classical Philology. *Classical Quarterly*, v. 1, pp. 242-245, July, 1907.

Art for Art's Sake. *Methodist Review*, v. 89, pp. 900-905, November-December, 1907.

Zu Aristoteles' Metaphysik. *Hermes*, v. 43, pp. 169-172. April, 1908.

Review of Beare's Greek Theories of Elementary Cognition from Alcmaeon to Aristotle. *Classical Philology*, v. 3, pp. 108-109, January, 1908.

PROFESSOR DODGE.—*Lectures*.—The Psychology of Language. Western Massachusetts Branch, New England Modern Language Association, Springfield, Massachusetts, February 1, 1908.

Variation in the Movement of the Eyes as a Result of Fatigue. Philosophical Club, Yale University, New Haven, Connecticut, February 20, 1908.

The Eye Movements of the Insane. Association of Experimental Psychologists, Cambridge, Massachusetts, April 16, 1908.

School Artifice and Psychological Principle in Modern Language Instruction. New England Modern Language Association, Boston, Massachusetts, May 9, 1908.

Publications.—An Experimental Study of Visual Fixation. *Monograph Supplement, Psychological Review*, v. 8, No. 4, pp. iv, 1-92. (Published as Studies from the Psychological Laboratory of Wesleyan University, v. 1, no. 1.)

Review of Dearborn's Psychology of Reading. *Zeitschrift für Physiologie und Psychologie der Sinnesorgane*, v. 45, pp. 145-148, April 16, 1907.

Review of Judd's Translation of Wundt's Outlines of Psychology, Third English Edition. *Science*, v. 26, pp. 588-589, November 1, 1907.

PROFESSOR CADY.—*Publications*.—On the Electric Arc between Metallic Electrodes (with H. D. Arnold), *American Journal of Science*, v. 24, pp. 383-411, November, 1907.

Ueber den elektrischen Lichtbogen zwischen Metallelektroden (with H. D. Arnold). *Physikalische Zeitschrift*, v. 8, pp. 890-906, December 1, 1907.

Review of Schmidt's Seddin Observatory Magnetograph. *Terrestrial Magnetism*, v. 12, pp. 87-89, June 1907.

Review of Müller-Pouillet's Lehrbuch der Physik und Meteorologie, Tenth Edition, vols. 1-3, *Terrestrial Magnetism*, v. 12, pp. 185-187, December, 1907; v. 13, pp. 42-43, March, 1908.

PROFESSOR FIFE.—*Lectures*.—The Sentimental Epoch in German Literature. Summer School, Columbia University, New York, New York, July 18, 1907.

Luthers Jahrhundert. German Department, Columbia University, New York, New York, July 24, 1907.

Christian Dietrich Grabbe. Germanistic Society of America, Columbia University, New York, New York, December 5, 1907.

The German Romantic Märchen. Modern Language Association of America, Columbus, Ohio, December 27, 1907.

Eine kleine deutsche Universität. Deutscher Verein, Amherst College Amherst, Massachusetts, April 17, 1908.

Publication.—E. T. A. Hoffmann: Meister Martin der Kufner, Edited with Introduction and Notes. Pp. xxxvii, 132. New York, Henry Holt & Company, 1907.

MR. BUDINGTON.—*Lectures.*—Morphology and Reproduction of the Coelenterata (five lectures). Marine Biological Laboratory, Woods Hole, Massachusetts, July 8-12, 1907.

PROFESSOR DUTCHER.—*Lecture.*—The Enlightened Despotism: a Study in the History of Europe during the War for American Independence. Middlesex County Historical Society, Middletown, March 17, 1908.

Publications.—France in North Africa. *South Atlantic Quarterly*, v. 6, pp. 367-380, October, 1907; v. 7, pp. 49-60, January, 1908; v. 7, pp. 165-176, April, 1908.

Review of Taylor's Queen Hortense and her Friends, 1783-1837. *American Historical Review*, v. 13, pp. 137-138, October, 1907.

Review of Daudet's Lettres du Comte Valentin Esterhazy à sa Femme, 1784-1792. *American Historical Review*, v. 13, pp. 181-182, October, 1907.

Review of Mathieu's Ancien Régime en Lorraine et Barrois d'après des Documents Inédits, 1698-1789, Quatrième Édition. *American Historical Review*, v. 13, pp. 182-183, October, 1907.

Review of Desormeaux's Kléber en Vendée, 1793-1794. *American Historical Review*, v. 13, pp. 382-383, January, 1908.

PROFESSOR HEWITT.—*Lecture.*—The Olympic Games. Troy Conference Academy, Poultney, Vermont, February 10, 1908.

MR. LOPER.—*Lecture.*—Henry Clay Work. Middlesex County Historical Society, Middletown, April 21, 1908.

Publications.—My Old Home. *Connecticut Magazine*, v. 11, p. 584, October-December, 1907.

O Sweet Communion with the Past. *Connecticut Magazine*, v. 12, p. 145, January-March, 1908.

LIBRARY

Since the report published in the *Bulletin* for May, 1907, the endowment of the library has been increased by the transfer from income of \$624.36. The total endowment is \$87,287.82.

The number of volumes accessioned from May 1, 1907, to April 30, 1908, was 2,821. They were obtained as follows: by purchase, 1,149; by binding periodicals, 463; by exchange, 2; by gift, 1,207; deducting 9 volumes, exchanged or lost, there remains a net addition of 2,812 volumes. The total number of volumes in the library at the present time is 79,000.

Among the more important accessions of the year are the following: *Memoirs of the American Folk-Lore Society*, vols. 1-7; *Zeitschrift für den deutschen Unterricht*, vols. 13-20, completing set; *School Review*, vols. 1-14; Scottish Text Society publications, bound in 40 vols.; Camden Society publications, 82 vols., completing set; *Corpus Scriptorum Ecclesiasticorum Latinorum*, bound in 48 vols.; *Mélusine*, 10 vols.; *Journal of the Executive Proceedings of the Senate of the United States, 1789-1891*, in 29 vols.; *Catalogue général des livres imprimés de la Bibliothèque Nationale*, vols. 23-31; *Daremberg et Saglio, Dictionnaire des antiquités grecques et romaines*, vols. 1-4,1; *L'Année psychologique*, vols. 4-13; *Bulletin de la Société mathématique de France*, vols. 1-29; *Princeton University Bulletin*, vols. 1-14; *Goethe Jahrbuch*, vols. 1-28; *Schriften der Goethe-Gesellschaft*, vols. 1-22.

From May 1, 1907, to April 30, 1908, 6,475 books and periodicals were drawn from the library for home use. In addition, 834 volumes were withdrawn from general circulation and reserved for special use either in the library or in seminary rooms. The current numbers of 54 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

The valuable gift of books received from Rev. J. C. W. Coxe, D. D., L. H. D., '63, was described in the December *Bulletin*. A careful examination of the books confirms the opinion there expressed as to their value.

Including the Coxe books there were presented to the library from May 1, 1907, to April 30, 1908, 2,081 bound volumes, 7,059 pamphlets and numbers of periodicals, 86 maps, and 30 folio plates from Audubon's *Birds of America*. Among the donors were the United States Government, The Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut, Maine, and New York, the Carnegie Institution, the Connecticut State Board of Education, the Field Museum of Natural History, the Pennsylvania Steel Co., the Geological Survey of Canada, the Maryland Geological Survey, and the following individuals:

Prof. A. C. Armstrong, Hon. F. B. Brandegee, Rev. J. C. W. Coxe, '63, Prof. M. B. Crawford, '74, Prof. G. M. Dutcher, Prof. W. C. Fisher, L. R. Hazen, Mrs. W. J. James, Prof. C. H. Judd, '94, W. D. Leonard, '78, Mrs. L. J. Magee, Hon. D. W. Northrop, '68, President B. P. Raymond, Hon. R. F. Raymond, ex-'81, Prof. W. N. Rice, '65, B. A. Rich, '78, W. C. Sharpe, Hon. N. D. Sperry, Prof. J. M. Van Vleck, '50, Prof. C. T. Winchester, '69, Mrs. Cornell Woolley.

The cataloguing of the Hunt collection is finished, and this valuable addition to the library is now available for use. The cataloguing of the Van Benschoten collection will be taken up next.

The printed cards issued by the Library of Congress, numbering about 280,000, have been transferred to Library Bureau cases and can be more conveniently consulted. The current cards as received are filed in their proper places. The value of these cards in bibliographical investigations and as an aid in ordering catalogue cards for books acquired by this library is already great, and is constantly increasing.

MUSEUM

The Museum has received a valuable collection of ethnological specimens from China, the gift of John Gowdy, '97, President of the Anglo-Chinese College in Foochow. The collection includes an ancestral tablet, a number of idols, and numerous models and pictures illustrating various phases of the costumes, occupations, and customs of the people. The collection includes also over five hundred Chinese coins. At the same time with this collection from President Gowdy, a number of interesting objects were received from George M. Newell, '04, one of the teachers in the Anglo-Chinese College. The Museum has received at various times important contributions of ethnological material from alumni located in various missionary fields.

A valuable collection of several hundred specimens, most of them illustrative of the zoölogy of this region, has been received from Mr. Charles H. Neff of Portland. The collection includes over sixty birds' nests, beautifully preserved and accurately identified, making a very instructive exhibit of the nest-building habits of a large number of species of our birds. These nests are on exhibition in the railing case in the upper hall of the museum. The collection also includes about two hundred and fifty alcoholic specimens of animals of this vicinity. While a small museum cannot rival the larger museums in collections of general natural history, it ought to be the aim of each museum to make an

effective showing of the natural history of its own locality. Such collections as this of Mr. Neff, gathered by local amateur naturalists, with authentic data in regard to locality, are exceedingly valuable accessions to the museum.

From Mrs. E. B. Monroe have been received a fine mounted head of the Virginia deer, and a number of other interesting specimens.

Mr. H. E. Van Surdam, '05, has presented about fifty specimens of tourmaline and zircon from California, making a valuable accession to the minerological collection.

The last *Bulletin* announced the gift from Stephen H. Olin, LL. D., of one hundred and thirty additional coins and medals, making the total number of his collection about six hundred. Two new cases, uniform in style with those in which the former part of the collection is placed, have been built to receive the new specimens, the cases as well as the specimens being the gift of Dr. Olin. The collection is now completely installed, and makes a very interesting and instructive exhibit.

DEBATE

Friday, December 13, 1907, proved a lucky day for Wesleyan undergraduates not only in athletics but also in debate, for on that date the debating teams won the championship of the triangular league by victories over both Williams and Amherst. Amherst came second with a victory over Williams at Williamstown. Wesleyan debated with Amherst at Amherst and with Williams at Middletown. In each case the home team upheld the affirmative of the question: Resolved, That a revaluation, by the federal government, of railroad property used in interstate commerce is desirable and expedient. Wesleyan's affirmative team consisted of R. S. Curtice, '08, Power, '08, and Streightoff, '09, alternate; and the negative team of Barbour, '09, Hancock, '09, and Brengle, '10, alternate.

On April 3, 1908, Syracuse won the fifth annual debate with Wesleyan at Syracuse. Curtice, Hancock, Power, and Barbour, alternate, upheld the affirmative of the question: Resolved, That, aside from amending the Constitution, the federal government should exercise further control over quasi-public corporations doing an interstate business. This was the first defeat of Wesleyan by a Syracuse debating team. The debate council, with the approval of the college body, has recently canceled the debating agreement with Syracuse, which had another year to run, be-

cause of the dilatory methods of the Syracuse debate management, and because of unfair action in the selection of judges. Negotiations are now pending for a debate with Bowdoin next spring.

In the inter-class debates for the Scott cup the sophomore (1910) team, composed of Brengle, Hance, and Roberts, won from the freshman team.

The Briggs Prize Debate occurred in Memorial Chapel on May 28, on the question: Resolved: That the naval policy of President Roosevelt, as indicated by his messages to the present congress, should be adopted by the country. The contestants were R. S. Curtice, '08, Barbour, '09, Hancock, '09, and Roberts, '10. The judges, Mr. Elmer Goodrich Derby, '83, Professor Crawford, and Mr. Davis, divided the prize between Barbour and Roberts.

YOUNG MEN'S CHRISTIAN ASSOCIATION

A revived interest in all phases of the Association work has been apparent this year, especially in Bible study. A large delegation from the University attended the Student Conference at Northfield during the summer, and there received such an inspiration for active Christian work that they returned in the fall determined to make the Association more effective than ever before. The Bible study work has been a success this year. Bible study groups have been held regularly in nearly all the fraternities and clubs, and three classes for freshmen have been conducted by upper-classmen. Professor Hewitt's normal class for the leaders has contributed largely to the efficiency of the work. An effort is being made to send an even larger delegation to the Northfield Conference during the coming summer. In the mission study work, special mention may be made of Mr. Budington's class on the later history and conditions of the Bible lands, and of the public lecture given, in connection with this class, on the problem of the conversion of Mohammedans, by Mr. Frank L. Duley of the Mt. Hermon School, formerly vice-consul at Constantinople.

As other evidences of the deepening of the devotional life among the students, note may be made of the daily noon prayer group, and of the increased number of students who conduct or assist in religious services in or near Middletown. Since December, several inspiring speakers have visited the University and addressed meetings of the Association, including President Mackenzie of Hartford Theological Seminary, A. W. Staub and F. V. Slack of the International Committee of the Young Men's Christian Association, R. L. Cheney of the Springfield Training School, Dumont Clark, the general secretary of the Princeton Association, and

F. H. Thornberg of the Water Street Mission in New York City. The frequent informal talks and addresses by Joseph Beech, '99, and by members of the faculty have also been appreciated.

The International Committee are planning to hold a conference for the members of college faculties interested in the Association work during the last five days (July 1-5) of the next Student Conference at Northfield. This is planned to develop a more effective coöperation between the faculties and the students in the work of the college Associations. It is hoped that the Wesleyan faculty will be represented at this conference.

Each successive year demonstrates with added force the urgent need of a salaried general secretary to direct the growing activities of this Association, and of a building as the headquarters of the work.

The officers for 1908-09 are: *President*, C. M. Day, '09; *Vice-President*, P. G. Dennis, '10; *Treasurer*, H. L. Connelly, '09; *Corresponding Secretary*, A. D. Moore, '10; *Recording Secretary*, J. R. Simmons, '11.

UNIVERSITY NOTES

NORTH COLLEGE.—The occupation of the new North College by the students began on January 6, 1908. The building was finally completed during that week. Rooms on the ground floor of the building have been assigned to the Christian Association, the *Argus*, the *Literary Monthly*, the press bureau, and the Wesleyan Store, opened on February 20, 1908, by S. B. Moore, Jr., '08, R. C. McCathran, '10, and H. W. Faraday, '11, for the sale of books, stationery, athletic and other supplies. Mr. Harlow Raymond, who has been in charge of the janitorial work since July, 1864, has been assigned the room corresponding to that which he so long occupied in the old building. The remaining rooms of the building are all available for dormitory use, over sixty students being in the building this year. As no member of the faculty resides in North College, the responsibility of maintaining order in the building has been entrusted to the college body, which has placed a committee in charge of the enforcement of the rules which it has adopted. In this connection it may be noted that on June 11, 1904, the undergraduates of the University formally organized themselves under the name of The College Body of Wesleyan University by the adoption of a constitution. Its officers are a president, a secretary-treasurer, and an executive council known as the College Senate. This organization has proved efficient in the control of undergraduate activ-

ities and the development of a healthy college spirit. The presidents have been S. F. Hancock, '05, G. W. Rogers, '06, A. B. Haley, '07, and R. S. Munson, '08.

REAL ESTATE PURCHASES.—By the purchase of the small tract of land and the house, known as the Childs property, in Wyllys Street, adjoining the Gymnasium, the University has, after seventy-seven years, come into full ownership of the whole quadrangle, or city square, in which its older buildings are located. The University has also recently acquired from the Phi Nu Theta (Eclectic) Society the large lot adjoining Scott Laboratory in College Place on which its former club house is located. It may also be noted that the Delta Tau Delta fraternity has purchased the property on the corner of High and William Streets, facing the campus. The house which had been occupied for many years by Mrs. Hulse, who died during the winter at a very advanced age, will ultimately give place to a suitable chapter house.

JUNIOR EXHIBITION.—The annual prize contest in oratory for members of the junior class was held in Memorial Chapel, Tuesday evening, May 5, 1908. Eight speakers participated in the contest. The committee of award consisted of Reverend Ellis Bishop, B. A., Professor in the Berkeley Divinity School; Reverend Charles Wesley Flint, B. A., pastor of the First Methodist Episcopal Church, Middletown; and Professor Cady. The first prize was awarded to John Tiebout Hancock, of Brooklyn, New York, whose subject was Monarchy or Democracy? William Rinehart Barbour, of Bristol, Indiana, who presented A Plea for the Railroads, received the second prize.

GYMNASIUM EXHIBITION.—The annual Gymnasium Exhibition was conducted by Mr. Reiter on April 2, 1908, with Doctor H. C. Swan of Trinity College, Professor Nicolson, and Professor Fife as judges. The class of 1908, by its third successive victory in the interclass basketball series, became the possessor of the Creede cup. The Olin cup for the best class squad drill was awarded to the class of 1911; and the Wallace cup was won by F. L. Soule, '11, as college gymnast. The medals for the three best gymnasts were given to F. L. Soule, '11, W. H. Stilwell, '11, and W. R. Hick, '08; and the Creede medal for middle-weight wrestling was won by A. R. Graves, '09.

GRADUATE STUDY.—The faculty committee on graduate study has made a complete revision of the regulations governing the granting of the master's degrees, necessitated by the changes in the requirements for the baccalaureate degrees. The numerous changes have been ratified by the faculty and the board of trustees, and are embodied in a circular which has just been issued.

FACULTY NOTES

MEETINGS ATTENDED.—President Raymond returned from California on March 9, much improved in health, and resumed his duties as president for the remainder of the year. He attended some sessions of the General Conference of the Methodist Episcopal Church in Baltimore, and was present at a banquet of the Wesleyan graduates who were in attendance at the conference on May 20. Professor Van Vleck, with his three daughters, is travelling in Europe during the spring months, but will return to Middletown before Commencement. While in Rome in April, he attended the International Mathematical Congress. Professor Winchester attended, as a delegate, the National Conference on Uniform Entrance Requirements in English, in New York, on February 21-22; and on May 15-16, the Conference of the New England Colleges on Entrance Requirements in English, of which he was reelected President. Professors Harrington, Heidel, and Hewitt were present at the meeting of the New England Classical Association at Northampton, Massachusetts, on April 3-4. Professor Heidel attended the meeting of the managing committee of the American School of Classical Studies at Athens, held in New York on May 8, and was elected to the executive committee. At the meeting of the American Psychological Association in Chicago in December, Professor Dodge was elected a member of the Council of the Association for a term of two years.

Professor Nicolson attended a meeting of the Intercollegiate Athletic Association of the United States, at New York, December 28, and was elected a member of the executive committee, representing the first district, New England. On February 14, he attended a conference at Springfield, Massachusetts, of the six New England colleges that belong to the Intercollegiate Athletic Association of the United States; and on May 8-9, was present at the conference of eighteen of the New England colleges in Boston, at which the Association of the New England Colleges for Conference on Athletics was organized, with Professor Nicolson as President. On May 6-7, Professor Nicolson attended the second annual meeting of the association of administrative officers of ten New England colleges in Providence; and on May 8, the meeting of the New England College Entrance Certificate Board, being reelected a member of the executive committee. On May 25, Professor Nicolson attended the meeting of the Executive Committee of the Intercollegiate Athletic Association of the United States in Chicago.

Professor Fife attended the meeting of the Modern Language Association of America at Columbus, Ohio, on December 27-29, and at the meeting of the American Dialect Society at the same time and place, he

was reelected treasurer. Professor Fife was present at the meeting of the New England Modern Language Association in Boston on May 9, and has also attended the Connecticut group meetings of this association. Professor Dutcher was present at the meeting of the American Historical Association and other societies at Madison, Wisconsin, on December 27-31; and at the meeting of the New England History Teachers Association at Portland, Maine, on April 17-18. Professor Dutcher was one of the judges of the Yale-Harvard Freshman Debate at New Haven on April 10. In the Mathematical Section of the Connecticut Classical and High School Teachers Association at Hartford on February 15, Mr. Camp took part in the discussion of the question, Are College Entrance Requirements in Mathematics Excessive?

Professor Kulins, with his wife and son, sailed on May 2 for Europe, where they will spend the time chiefly in France and Switzerland, returning in September. Professor Crawford and his family, and Professor Fife are planning to spend the summer in Europe.

This paragraph contains no reference to various faculty activities reported under the heading of Faculty Lectures and Publications, and under other headings in this *Bulletin*. No reference is made to the numerous sermons and manifold other activities of President Raymond and Acting President Rice, nor to the attendance and addresses of various members of the faculty at alumni meetings. Likewise no record is made of the numerous ways in which members of the faculty are constantly responding to demands in Middletown and vicinity.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—Since the notice of this Survey in the *Bulletin* for May, 1907, two publications have been issued: namely, No. 8, Bibliography of the Geology of Connecticut, by Professor H. E. Gregory of Yale University; and No. 9, Second Biennial Report of the Commissioners. Two bulletins are now in press: namely, No. 10, Preliminary Report on the Algae of the Fresh Waters of Connecticut, by Professor Conn and Mrs. L. W. (Hazen) Webster; and No. 11, The Bryophytes of Connecticut, by Professor A. W. Evans and Mr. G. E. Nichols of Yale University. Two bulletins have been accepted for publication, and will be issued shortly: namely, No. 12, An Outline of Lithology, and Descriptions of the Connecticut Educational Series of Rocks, by Professor Joseph Barrell of Yale University and Dr. G. F. Loughlin of the Massachusetts Institute of Technology; and No. 13, Second Report on the Hymeniales of Connecticut, by Professor E. A. White of Amherst Agricultural College. Several other bulletins are well advanced towards completion. Bulletins 1-5 have been issued in a library edition as the first of a series of bound volumes.

Last summer the field work was completed for an investigation of the peat bogs of Connecticut. Much field work has also been done by Professor Gregory in the investigation of the Quaternary geology of the state. The work of the Survey continues under the general direction of Professor Rice as Superintendent.

LABORATORIES OF THE STATE BOARD OF HEALTH.—In January the laboratories were transferred from rooms 19 and 20 to rooms 11, 24, and 25 in Scott Laboratory. The work of the laboratories continues to increase in the lines originally taken up, and new lines of work have been developed. During the winter, the bacteriological laboratory, under the direction of Professor Conn, began the work of milk analysis for the various towns of the state, with the hope of improving the quality of the milk offered for sale. The chemical laboratory, in charge of Mr. Newlands, has begun the examination of the school wells of the state, and has already found that a number of them are not safe for drinking purposes. Municipal water supplies are being investigated to determine the power of these waters to take up lead, tin, and zinc, for the purpose of advising the authorities regarding the proper kinds of service pipes to use. In accordance with a new state law which went into effect in September, 1907, illuminating oils are being tested to determine the flash and fire points.

FORMER WESLEYAN PROFESSORS.—The alumni will be interested to learn that E. T. Merrill, '81, formerly professor of Latin, has been called to a chair of Latin in the University of Chicago, and that Max Farrand, formerly professor of History, has accepted a professorship of History in Yale University. A. B. Faust, formerly associate professor of German, now assistant professor of German in Cornell University, has recently been awarded the first Conrad Seipp prize of \$3,000 for the best monograph on the German Element in America.

UNDERGRADUATE NOTES

FRENCH CLUB.—In the fall of 1907, ten students who were taking work in the department of Romance Languages organized a French Club for the purpose of French conversation and for further development of their interest in French studies. All the proceedings and conversation of the meetings are in French. Officers are elected each half-year, the present incumbents being: *President*, C. E. Graves, '08; *Vice-President*, H. L. Connelly, '09; *Secretary-Treasurer*, F. L. Hewitt,

'09. Mr. Super has spoken to the Club twice on *La Vie Parisienne*, and on *L'Espagne*. An open meeting was held in March at which Professor Kuhns gave an illustrated lecture on *La Suisse et les Alpes*. In April the Club was entertained by Professor Kuhns at his home, and Dr. I. C. LeCompte, '97, of Yale University, told informally how he took his degree at Strassburg.

MATHEMATICAL SOCIETY.—Meetings have been held regularly on the first Wednesday of each month. The present officers are: *President*, G. L. Mylchreest, '07; *Vice-President*, F. A. Shailer, '09; *Secretary*, W. R. Williamson, '09. The membership now numbers thirty-five. Two open meetings have been held at which illustrated lectures were given on the Sun by E. F. Amy, '09; and on the Moon by E. M. North, '09. The organization and development of this society have been largely due to Professor McKinney.

GEOGRAPHICAL DISTRIBUTION OF STUDENTS.—The present Catalogue contains the names of 283 men registered from the following states: Connecticut 79, New York 63, New Jersey 39, Massachusetts 36, Pennsylvania 22, Maine 10, District of Columbia 6, Vermont 5, Ohio 4, Indiana 3, Maryland 3, Canada 2, New Hampshire 2, West Virginia 2, others 7; or, to summarize, New England 132, Middle States 133, others 18. Of the 33 women students, 30 come from Connecticut.

FUTURE OCCUPATIONS OF STUDENTS.—The *Argus* of March 18 contains a compilation of statistics which shows the occupations and professions which the present undergraduates contemplate entering. The percentages are as follows: business 20, teaching 14, law 13, ministry 11, engineering 5, chemistry 5, medicine 4, miscellaneous 10, undecided 18. These percentages are based upon 263 responses and show 35 prospective lawyers.

HOSPITAL BED FOR STUDENTS.—With the generous aid of many alumni and friends of the University, the committee of ladies has successfully continued its collection of funds to endow a Wesleyan bed at the Middlesex Hospital. The amount now in hand is over \$1,800, with \$100 subscribed but not yet paid. With the interest on the fund a beginning has already been made in caring for students in need of hospital treatment. A sub-committee of ladies has also assumed the work of a visiting committee, that Wesleyan patients may have the benefit of personal attention and sympathy. The need, however, remains greater than the resources, and the committee, whose chairman is Mrs. A. C. Armstrong, 166 High Street, Middletown, is continuing its efforts to increase the fund.

ALUMNI NOTES

NEW ALUMNI ASSOCIATIONS.—The organization of the Central New York Wesleyan Alumni Association was completed at the second annual dinner held at Hotel Warner, Syracuse, December 27, 1907, with the election of the following officers: *President*, T. E. Hancock, '71; *Vice-President*, E. L. Merritt, '91; *Secretary*, L. R. Weeks, '06, 621 Onondaga Street, Syracuse, New York; *Executive Committee*, W. G. Cooper, '02, L. D. Bristol, '03, M. C. Cramer, '04.

The Wesleyan Alumni Association of Washington was organized on January 3, 1908, with the following officers: *President*, M. A. Knapp, '68; *Vice-President*, E. B. Rosa, '86; *Secretary*, E. W. Thompson, '98, 1212 Fourteenth Street, N. W., Washington, D. C.; *Treasurer*, O. S. Smith, '87.

The Wesleyan Alumni Association of Western Pennsylvania was organized at the Fort Pitt Hotel, Pittsburg, on February 21, 1908, with the following officers: *President*, Daniel Dorchester, '74; *Secretary*, H. B. Powell, '06, Mellon National Bank, Pittsburg, Pennsylvania; *Executive Committee*, J. W. Langdale, '03, and A. E. Young, '98.

The Wesleyan Alumni Association of Eastern New York was organized at the New Kenmore Hotel, Albany, May 8, 1908, with the following officers: *President*, A. L. Andrews, '75; *Secretary*, A. H. Burdick, '99, 16 University Place, Schenectady, New York; *Executive Committee*, S. G. Landon, '89, D. L. Robertson, '78, E. P. Stevens, '74, T. R. Kneil, '75, and H. W. Fellows, '88.

The Wesleyan Alumni Association of Providence and Vicinity met at the home of Reverend E. S. Ninde, '87, on March 4, 1908, with Professor Winchester as the guest of honor. A committee consisting of Reverend A. J. Coultas, '80, chairman, Reverend E. S. Ninde, and G. W. Gardiner, '89, was appointed to draft a constitution.

The Wesleyan Alumni of New Haven, about fifteen in number, with Professor Dodge as guest of honor, dined at the Tontine Hotel on May 23, 1908. H. L. Agard, '04, C. H. Judd, '94, and H. E. Wilson, '04, were appointed a committee to arrange for a similar gathering next year.

ALUMNI CLUB HOUSE IN NEW YORK.—The alumni of six New England colleges, including Wesleyan, are planning to coöperate in the opening of a club house in New York City. Fuller announcement will be made as soon as the arrangements are completed.

CLASS IVIES.—In the erection of the new North College, the stones from the old building bearing the class numerals to mark the class ivies were restored to their relative positions. These stones represent the classes of '74, '81, '82, '83, '85, and '87. Members of these classes who are present at the approaching Commencement should see that new ivies are planted at the points marked. It may be added that on South College there are ivies planted by the classes of '65, '76, and '77, but none to correspond with the stones for '67, '73, and '78. The ivies of the classes of '89, and '90 are on Memorial Chapel, but the stones of '97 and '02 mark no ivies. On the Library are the ivies of '88, '90, and '00, but none for '80 and '01. The ivies of '94 and '98 are on the Gymnasium. Fisk Hall has ivies for '03, '04, '05, and '07, but the one for '06 has disappeared. The classes whose ivies have died out should also take care to replace them at an early date. A search of the files of the *Argus* yields no information concerning the classes not mentioned above, except that '95 is said to have planted its ivy on the north side of the Chapel, and '96 is recorded as having planted an ivy.

ALUMNI AT THE GENERAL CONFERENCE.—In the General Conference of the Methodist Episcopal Church at Baltimore, Wesleyan was represented by eighteen alumni and two non-graduates as clerical delegates; eight alumni as clerical reserve delegates; two alumni and one non-graduate as lay delegates; and two alumni as lay reserve delegates. This count was made hurriedly and may be incomplete. Three of the bishops in attendance were Wesleyan graduates.

On May 20, about ninety alumni and friends of Wesleyan dined in Goucher Hall, Woman's College of Baltimore. Reverend Doctor E. M. Mills, '72, presided, and speeches were made by President Raymond, Bishop McDowell, President G. E. Reed, 69, Reverend Doctor Levi Gilbert, '74, Reverend L. C. Murdock, '90, and C. F. Price, '02.

ALUMNI IN WHO'S WHO IN AMERICA.—The fifth edition of *Who's Who in America* contains biographical sketches of 16,395 distinguished living Americans. Among this number appear 98 of the 1867 living alumni of the University, and 18 of the 988 living non-graduates. The names of nine members of the faculty appear.

OBITUARY RECORD

The following deaths among the alumni have been reported since the publication of the last Obituary Record:

Class

- 1844 William Chase Prescott, b. 23 October, 1821, in Gilmanton, N. H.; d. 16 September, 1907, in Bradfield, England.
- 1847 Edward Gayer Andrews, b. 7 August, 1825, in New Hartford, N. Y.; d. 31 December, 1907, in Brooklyn, N. Y.
- 1847 Daniel Haight, b. 6 January, 1827, in Greenwich, Conn.; d. 14 March, 1908, in Port Chester, N. Y.
- 1847 Silas Wright Robbins, b. 12 January, 1827, in Dorset, Vt.; d. 31 May, 1907, in Hartford, Conn.
- 1849 James Thaddeus Fountain, date of birth unknown; d. 12 January, 1907, in Brooklyn, N. Y.
- 1855 Job Gardner, b. 27 December, 1826, in Swansea, Mass.; d. 27 November, 1907, in South Swansea, Mass.
- 1855 Alexander William Mackey, b. 8 May, 1833, in Medusa, N. Y.; d. 7 November, 1907, in Medusa, N. Y.
- 1855 Elias Raymond Pennoyer, b. 15 August, 1830, in Norwalk, Conn.; d. 16 October, 1907, in Boothbay Harbor, Me.
- 1855 Edward Hyde True, b. 20 March, 1836, in Amenia, N. Y.; d. 19 July, 1907, in Gettysburg, Pa.
- 1857 David Hough Ela, b. 19 January, 1831, in Canaan, Me.; d. 7 October, 1907, in Hudson, Mass.
- 1857 William Thomas Elmer, b. 6 November, 1835, in Rome, N. Y.; d. 11 November, 1907, in Middletown, Conn.
- 1860 Manly Augustus Ruland, b. 2 September, 1833, in Holtsville, N. Y.; d. 18 May, 1907, in Flatbush, Brooklyn, N. Y.
- 1862 James Marcus King, b. 18 March, 1839, in Girard, Pa.; d. 3 October, 1907, in Philadelphia, Pa.
- 1865 Wilbur Olin Atwater, b. 3 May, 1844, in Johnsburgh, N. Y.; d. 22 September, 1907, in Middletown, Conn.
- 1867 Charles Edward Mandeville, b. 1 August, 1840, in Red Hook, N. Y.; d. 16 February, 1908, in Mexico City, Mex.
- 1870 David Henry Hanaburgh, b. 10 November, 1839, in Rhinebeck, N. Y.; d. 4 December, 1907, in Carmel, N. Y.
- 1880 Benjamin Francis Simon, b. 16 February, 1854, in Island of Guernsey, English Channel; d. 3 March, 1908, in Bangor, Me.
- 1885 Louis Jones Magee, b. September, 1862, in Malden, Mass.; d. 3 July, 1907, in New York, N. Y.
- 1887 Edwin Fish, b. 25 April, 1863, in Natchez, Miss.; d. 25 July, 1907, in Seattle, Wash.
- 1889 William Bradford Eaton, date of birth unknown; d. 17 March, 1908, in Haverford, Pa.
- 1898 George Leroy Noyes, b. 7 December, 1873, in Landaff, N. H.; d. 21 August, 1907, in Lisbon, N. H.

- 1902 Katharine Louise Griswold (Mrs. A. Wallace), b. 24 October, 1879, in Rochester, N. Y.; d. 19 October, 1907, in Montclair, N. J.
 1903 Zelia Almira Cutler, b. 19 June, 1882, in Concord, Mass.; d. 27 February, 1908, in Passaic, N. J.

Non-Graduates

- 1845 George Jackson, b. 6 September, 1821, in Cazenovia, N. Y.; d. 1897.
 1847 Timothy Buruham Ross, b. 18 March, 1816, in Ipswich, Mass.; d. 1905.
 1851 Jeremiah Forest Ames, b. about 1823, in Canterbury, N. H.; d. 1905.
 1859 Henry Woodward, b. 26 June, 1838, in Middletown, Conn.; d. 11 June, 1907, in Middletown, Conn.
 1861 Robert Huston Wilder, b. 5 July, 1830, in Granville, Vt.; d. 1905.
 1863 William Franklin Saxe, b. 30 July, 1842; d. 1884.
 1863 Francis James Wagner, b. 7 December, 1835, in Sydney, Cape Breton, N. S.; d. 20 November, 1907, in Cucamonga, Cal.
 1864 Walton Goodwin, b. 10 April, 1845, in Brooklyn, N. Y.; d. 1906.
 1865 Samuel Edmund Nichols, b. 17 February, 1842, in Brookfield, Mass.; d. 1898.
 1867 George Opdyke Cummings, date of birth unknown; d. about 1904.
 1867 Henry Huntington Newton, b. 28 March, 1841, in Durham, Conn.; d. 6 October, 1907, in Durham, Conn.
 1868 Michael John Callan, b. 16 August, 1837, in Louth, Ireland; d. 12 May, 1907, in Nahant, Mass.
 1872 James Howard Hand, b. 21 April, 1850, in Cape May, N. J.; d. 7 June, 1907, in Long Island College Hospital.
 1872 Leverett Marsden Hubbard, b. 23 April, 1849, in Durham, Conn.; d. December, 1906, in Wallingford, Conn.
 1877 Frank Wellington Johnson, b. 30 September, 1850, in Sanbornton, N. H.; d. 1906.
 1878 Samuel Lapham Dollner, b. 25 October, 1856, in Brooklyn, N. Y.; d. 1 January, 1907, in Asheville, N. C.
 1879 Anthony Wolford, b. 27 February, 1848, in Middleburgh, N. Y.; d. 1907.
 1880 Henry John Dixon Jones, b. 19 March, 1855, in Madison, Wis.; d. 1906.
 1901 Charles Shepard, date of birth unknown; d. 1905.

The University desires to preserve complete and exact records of its former students, and, for the information of the alumni, publishes annually, in the May Bulletin, an Obituary Record. Assistance is asked to secure the correctness and completeness of these records. Such information should be addressed to the Secretary of the Faculty, Professor Frank W. Nicolson.

THE
WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 43 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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1908

CALENDAR

Oct. 1	Thursday	9:00 A. M.	College year began.
Nov. 25	Wednesday	12:00 M.	Thanksgiving recess began.
Nov. 29	Sunday	9:00 A. M.	Thanksgiving recess ended.
Dec. 22	Tuesday	5:00 P. M.	Christmas recess will begin.

1909

Jan. 6	Wednesday	7:50 A. M.	Christmas recess will end.
Jan. 28	Thursday		Day of Prayer for Colleges.
Feb. 8	Monday		Mid-year examinations will begin.
Feb. 22	Monday		Washington's Birthday.
Feb. 23	Tuesday	7:50 A. M.	Second half-year will begin.
April 6	Tuesday	5:00 P. M.	Easter recess will begin.
April 14	Wednesday	7:50 A. M.	Easter recess will end.
May 6	Thursday	8:00 P. M.	Junior Exhibition.
May 27	Thursday	8:00 P. M.	Briggs Prize Debate.
May 31	Monday		Memorial Day.
June 11	Friday		Final examinations will begin.
June 14	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 27	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 30	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 29	Wednesday	9:00 A. M.	Examination of candidates for ad- mission will begin.
Sept. 30	Thursday	9:00 A. M.	College year will begin.

1

AT the trustee meeting held in June, 1907, President Raymond presented his resignation as the head of Wesleyan University. The active discussion as to his successor was brought to an end at the meeting of the board of trustees on November 13, when Reverend William Arnold Shanklin, D. D., LL. D., President of Upper Iowa University since 1905, was elected President of Wesleyan University. A sketch of President Shanklin's career may be found on a subsequent page of this *Bulletin*. Since the announcement of the election, the many expressions of congratulation to the University and the many commendations of Doctor Shanklin which have been received abundantly confirm the wisdom of the trustees in their selection. Trustees, faculty, alumni, undergraduates, and friends of the University unite in wishing the fullest success for the new administration.

As the resignation of President Raymond took effect in June, 1908, and as he has been granted leave of absence for the present year, the administration of the University until the inauguration of President Shanklin has been entrusted to Professor Rice as Acting President.

This is obviously not the time or place for a statement of the policy of the new administration, yet there are some evident needs that must be supplied in order that the success of any administration may be assured. In the first place, it is important that there be as great unanimity as possible among all the alumni and supporters of the institution. The formulation of plans of coöperation by the various alumni associations for the raising of funds and for the steady increase in the number of students would materially further the success of any administration. Concerted action with a view to systematizing the publicity of information about the University would yield large results within a reasonable time.

No administration can be successful without ample financial support. There has been repeated specification in the *Bulletin* of the most urgent needs, and it is enough to say that at least \$500,000 additional endowment is required at once in order to enable the University to maintain its present relative standing.

Owing to the change in the date of closing the fiscal year, the *Financial Exhibit of Wesleyan University for the Year ending June 30, 1908*, covers a period of thirteen months. Consequently it is impossible to make any safe or proper comparison with the previous year. For clearness and emphasis a few points may be recited in this place. The total property of the University showed the gratifying increase of \$84,543.45 during the year, making the present total \$2,589,923.68. The income from invested funds was \$83,476.62, which was at an interest rate of 5.206 per cent. for twelve months. This figure compares very favorably with the high rate of 5.25 per cent. during the previous twelve months, and shows that the funds were so securely invested and so wisely handled that the financial stringency of the year had no ill effect upon the finances of the University. The invested funds of the University on May 31, 1906 amounted to \$1,479,590.53, and on June 30, 1908, to \$1,477,878.78, showing that various gifts and bequests had offset the extraordinary payments for real estate made from the general endowment fund during the two years. These payments included \$99,377.57 for the new North College, \$18,312.42 for remodeling South College, \$4,000 for the Childs property, and \$7,000 for the old Eclectic property. As was anticipated at the beginning of the year, there was a considerable increase in the deficit owing to a large increase in expenditures. Although gifts of \$6,448.97 were received for income account, the deficit increased from \$25,422.55 to \$38,627.76.

The deficit means that the present endowment funds are inadequate. Any growth of the University must cause an increase in the deficit. A single item reveals with startling clearness the inadequacy of the endowment funds. The payment for salaries during the past year was \$75,600, while the income from the presidency and professorship funds

was only 40.8 per cent. of that amount, \$30,864.92. Even adding \$34,181.35, the income from the general endowment funds, there would still remain a shortage nearly equivalent to the net increase in the deficit.

The entering class has an enrollment of 104 members. The number of men is the largest ever enrolled in a freshman class, and the total registration is only one short of the largest previously recorded. When it is recalled that this is a period of interregnum, the signs for the future may be regarded as encouraging. There is indeed good reason why every new class should show a considerable advance in numbers over its immediate predecessor. To accomplish such a result, systematic work is indispensable.

Attention of prospective students and of their instructors is especially called to the important announcement concerning entrance examinations made on another page. By joining the College Entrance Examination Board, Wesleyan University puts itself in line with the best colleges and universities in the country in affording applicants for admission the fullest convenience in taking their examinations.

There has long been a demand for the establishment of courses designed especially to give pedagogical training to prospective teachers, and it is a cause for sincere congratulation that a beginning has been made this year with a course in educational psychology. Statistics collected last year by the *Argus* showed that 37 out of 273 men in the University were looking forward to teaching as a career. It is, therefore, most gratifying that the new course, which is open only to juniors and seniors, has been elected by more than thirty students. It is to be hoped that this confirmation of the demand for such courses may be met in the near future by the arrangement of further courses of a pedagogical nature.

This course, intended to assist in preparation for a career as teacher, is but one of several new courses established in line with a general policy

which the faculty has been following for two years and which it hopes to develop much further. This policy is to add to the curriculum such courses of suitable academic character as will be of distinct practical assistance to students contemplating advanced professional studies or some definite career. The department of biology last year began modifying its laboratory courses in order to assist prospective students of medicine. The introduction of the courses in industrial chemistry and electrochemistry, begun last year and extended during the present year, is an important evidence of this new policy. Last year the department of mathematics established a course in surveying and other applications of trigonometry, and this year the department of physics is offering a course devoted to the study of dynamos, motors, and transformers. The most notable of all the changes of this sort is the introduction this year of a course in descriptive geometry and mechanical drawing, which will be of the greatest use to all students anticipating advanced scientific or technical study. Several instances might be cited of courses in the humanities and mathematics which are of direct practical value in professional study, but suffice it to mention that for many years several of the courses offered in economics have been of great usefulness for men entering the law or business.

An arrangement has been made for the acquisition of the library of Professor Atwater for the University. H. D. Gordon, '92, Hazardville, Connecticut, has already raised several hundred dollars toward the necessary sum of \$7,500, and will welcome the generous assistance of the alumni and friends who wish to subscribe to this fund.

The committee of ladies who are raising an endowment for a Wesleyan free bed in the Middlesex Hospital deserve many compliments on the success which has attended their efforts, and especially upon the excellent results of the bazaar which they conducted in November. Nearly four-fifths of the necessary amount has now been secured. Much of the success of the bazaar, both financially and socially, was due to the generous and hearty coöperation of the people of Middletown.



Photo by Hollinger & Company.

Courtesy of the Christian Advocate.

WILLIAM ARNOLD SHANKLIN

THE NEW PRESIDENT

At the special meeting of the board of trustees held in New York on November 13, 1908, Reverend William Arnold Shanklin, D. D., LL. D., President of Upper Iowa University, was elected President of Wesleyan University.

President Shanklin was born on April 18, 1864, at Carrollton, Missouri. His parents were Wesley Dunscombe and Locke (Arnold) Shanklin, and he has a younger brother, Arnold Shanklin, who has been consul general of the United States at Panama since 1905. Doctor Shanklin married Emma Elizabeth Brant at Fort Scott, Kansas, on October 14, 1891.

He was graduated from Hamilton College, Clinton, New York, with the degree of B. A. in 1883, and from Garrett Biblical Institute, Evanston, Illinois, with the degree of S. T. B. in 1891. He has also received the degrees of M. A. from Hamilton College in 1895; of D. D. from the University of Washington, Seattle, in 1895; and of LL. D. from Baker University, Baldwin, Kansas, in 1906. Doctor Shanklin is a member of the Sigma Phi fraternity and of the Phi Beta Kappa Society.

In 1889 he was ordained to the ministry of the Methodist Episcopal Church, and has served the following pastorates: Peru, Kansas, 1887-9; Fort Scott, Kansas, 1889-90; Spokane, Washington, 1890-3; Seattle, Washington, 1893-6; Dubuque, Iowa, 1896-1900; Reading, Pennsylvania, 1900-5. In 1905 Doctor Shanklin was elected to the presidency of Upper Iowa University.

The election of Doctor Shanklin to the presidency of Wesleyan University has met with the warmest approval from all who are acquainted with him and his work. In the ministry of the Methodist Episcopal Church he had a most successful career, which marked him as one of the foremost of the younger men in the denomination. His vitality of thought, zealous activity, and spiritual force appeal strongly to young people and always assure him a welcome and a hearing from students in both preparatory schools and colleges.

Though his educational career, as president of Upper Iowa University, has been brief, yet the brilliancy of his success has attracted the most favorable attention and support not only in his own state and denomination, but also among the strongest men in the country who are interested in educational development. A large increase of the endowment funds achieved during the very time of the recent financial stringency fully proved his efficiency and enterprise in business management. An extensive reorganization of the university and the winning

of "the unlimited confidence of the people, faculty, and student body" demonstrated his ability in educational administration and in securing the enthusiastic support of his constituency.

TRUSTEE MEETINGS

The annual meeting of the board of trustees was held in South College, Middletown, Connecticut, on Monday, June 22, 1908, at 8:00 P. M. In the absence of H. C. M. Ingraham, president of the board, F. M. North was elected president *pro tem*. Adjourned sessions were held on the following day at 9:00 A. M. and 2:00 P. M.

The following officers of the board were reëlected: *President*, H. C. M. Ingraham; *Secretary*, D. G. Downey; *Treasurer*, C. D. Burdick.

C. H. Buck, G. S. Coleman, C. D. Jones, J. E. Leaycraft, and P. C. Lounsbury were reëlected trustees for the term expiring October 1, 1913. The report of the election of W. R. Walkley and F. W. Clarke as alumni trustees to serve for the same period was received and filed. The local executive committee was instructed to reclassify the members of the board of trustees in accordance with the requirements of the new charter.

The annual reports of President Raymond and the treasurer were presented orally, with the understanding that the completed reports should be printed later. The annual reports of the standing committees were received and placed on file.

The various standing committees for the ensuing year were chosen. W. J. James was appointed assistant treasurer.

G. G. Reynolds, from the committee to nominate a new president of the University, reported progress, and the committee was continued, with the following members: H. C. M. Ingraham, G. S. Bennett, J. M. Buckley, G. S. Coleman, T. E. Hancock, W. I. Haven, W. V. Kelley, G. G. Reynolds, and Charles Scott.

It was voted that all necessary arrangements for the administration of the University until the election of a new president be committed to the general executive committee with power. [The committee chose Professor Rice to serve again as acting president.]

The following appointments were made:

H. R. Reiter, M. A., Director of the Gymnasium for one year.

R. E. Finlay, B. S., Assistant in Chemistry for one year.

A. C. Stevens, M. E., Assistant in Physics, Descriptive Geometry, and Mechanical Drawing for one year. [This title was afterwards changed to Instructor in Descriptive Geometry and Assistant in Physics.]

The request of President Raymond for leave of absence during the college year 1908-9 was referred to the general executive committee with power. [The request was granted.] Professor Dodge was granted leave of absence for one year from July 1, 1909.

It was voted that the appropriation of a portion of the endowment received from G. I. Seney to a chair in chemistry under the name of the J. W. Beach Professorship of Chemistry (as appears to have been done in 1880) be changed to the chair of psychology, so that it shall henceforth be known as the J. W. Beach Professorship of Psychology. In accordance with the will of E. B. Nye, the fund received by the University under his will was applied to the endowment of the E. B. Nye Professorship of Chemistry.

Upon report of the committee on retiring allowances for members of the faculty, the following resolution was adopted:

Resolved, That the board of trustees accept and announce as a part of the policy of the University, the development of a systematic plan for retiring allowances for members of the faculty.

The list of persons recommended by the faculty for the various master's and bachelor's degrees in course was approved. It was also voted to confer certain honorary degrees. [The list of honorary degrees conferred appears under a separate heading in this *Bulletin*.]

The recommendation of the faculty for changing the dates of opening and closing the college year was referred to G. D. Beattys, J. M. Buckley, W. I. Haven, F. M. North, and B. P. Raymond, to report at the mid-year meeting.

The matter of putting the electric light and power wires under ground was referred to the local executive committee with power. [The work was completed during the summer.] The usual appropriation of \$200 for the American School of Classical Studies at Athens was voted. Professors Crawford and Cady were appointed a committee on the expenditure of the income of the Crawford Memorial Fund.

The president was authorized to remit to worthy and needy students tuition fees not to exceed \$10,000 for the year 1908-9. The president was requested to furnish to the board at its mid-year meeting a full statement showing in detail the amount of moneys received per student during the past five years from tuition, and what proportion of students enjoy free or partially free tuition.

As chairman of a special committee on church attendance appointed at the meeting on April 9, 1908, W. V. Kelley reported in favor of a rule requiring church attendance.

After much debate, the whole matter was referred back to the committee for further consideration, report to be made at the mid-year meeting of the board. A new committee, consisting of G. D. Beattys, G. S. Coleman, D. G. Downey, W. I. Haven, W. L. Hoagland, W. V. Kelley, J. E. Leaycraft, B. P. Raymond, and W. R. Walkley, was appointed.

W. U. Pearne, as chairman of a committee appointed on December 6, 1907, to confer with a committee of the academic council on the question of a separate college for women, presented a report of progress, which was accepted and the committee continued. Later in the meeting Charles Scott introduced the following resolutions:

Resolved, That after the opening of the college year 1909-1910 no women be admitted to Wesleyan University, but nothing in this action is to be construed as in any way interfering with the rights and privileges of the women who may be students in the college at the opening of the college year 1909-1910.

Resolved, That it is desirable to establish a coördinate college for women, and that we pledge ourselves to establish such an institution so soon as the necessary funds are available.

The resolutions were separated and the first was referred directly to the mid-year meeting of the board of trustees for final action, due notice of the proposed action to be sent to all the trustees. The second was referred to the committee already constituted on a separate college for women. On further motion, the finance committee was instructed to examine into the question of the relation of the trust funds to the subject of coeducation and report their findings to the mid-year meeting of the board.

The following resolution in memory of J. M. King was adopted:

"In the lapse of time since the death of this energetic and loyal servant of his church and country, all that appreciation and affection could say in speech and writing has been said and published. Yet it would be as unseemly as ungrateful for this body, in its official character, to depend upon what others have said.

"This University was his alma mater. To it he ever returned with respect, thanksgiving, and enthusiasm. As a trustee, as elsewhere on

many boards of control, he was faithful both in attendance and attention. If he spoke unfrequently, he voted intelligently, and when speaking was heard with the expectation that valuable light would be shed on the subject discussed—an expectation which seldom, if ever, was disappointed. His godly ancestry and environment found fruitage in his conversion and entrance upon the ministry. He combined scholarship with an ability to teach, intensity of feeling with a capacity for continued work and even prolonged drudgery if necessary. Rarely has been seen such a gift of blending of details with mental and emotional responsiveness. The degrees, in course and otherwise, conferred upon Doctor King by this and other institutions were honorable to the said institutions as well as to the recipient. To record his numerous positions and describe how well he filled them would be both superfluous and inadequate.

"As the sorrow of a genuine bereavement is perpetual, we express as a body, what several of its members have done individually, at this late date, our sympathy with Mrs. King, their son and daughter, and the surviving brothers, Joseph E. and Harvey King."

It was agreed that W. V. Kelley should prepare a memorial concerning Bishop E. G. Andrews, which should be entered upon the minutes.

Adjournment was taken subject to the call of the acting president.

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on November 13, 1908, at 2:00 P. M., President H. C. M. Ingraham in the chair. W. U. Pearne was chosen secretary *pro tem*.

The report of the committee to nominate a new president was presented by H. C. M. Ingraham and W. V. Kelley, and adopted. William Arnold Shanklin, D. D., LL. D., President of Upper Iowa University, whose name had been presented by the committee, was then formally elected President of the University.

H. C. M. Ingraham, W. V. Kelley, and G. S. Bennett were appointed a committee to inform Doctor Shanklin of his election and to arrange with him the date at which he should take office. Several other votes were passed regulating details concerning the presidency, and action was taken on some other minor matters.

THE FINANCES

The following is an abridgment of the *Financial Exhibit of Wesleyan University for the year ending June 30, 1908*, submitted by the Treasurer of the University, Clinton D. Burdick:

PROPERTY OF WESLEYAN UNIVERSITY

Real estate used by the University	-	-	-	-	-	\$885,361	78
Equipment of buildings	-	-	-	-	-	197,642	55
Special investments	-	-	-	-	-	116,619	16
General investments							
Real estate mortgages	-	-	-	-	-	722,400	00
Notes	-	-	-	-	-	19,712	50
Railroad bonds	-	-	-	-	-	210,887	78
Other bonds	-	-	-	-	-	333,308	72
Bank stocks	-	-	-	-	-	12,987	50
Other stocks	-	-	-	-	-	14,963	12
Real estate	-	-	-	-	-	47,000	00
Cash	-	-	-	-	-	30,550	52
Balance due from income account	-	-	-	-	-	38,627	76
						\$2,630,061	39

The foregoing property represents the following funds and balances, and is answerable for the same:

University grounds, buildings, and contents	-	-	-	\$1,083,004	33
General endowment (including Trafton and Ayres funds)				595,752	21
Endowments of the presidency and professorships	-	-		593,265	16
Library endowments	-	-	-	87,905	34
Fayerweather Gymnasium fund	-	-	-	25,000	00
Endowments of prizes	-	-	-	7,984	31
Endowments of scholarships	-	-	-	50,626	61
Crawford Memorial fund	-	-	-	5,000	00
Annuity funds	-	-	-	95,250	00
Astronomical Observatory fund	-	-	-	46,135	72
Balances of special funds	-	-	-	1,137	71
Bills payable, loans on account of income	-	-	-	39,000	00
				\$2,630,061	39

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds	-	-	\$24,523	71
Administrative expenses and incidentals	-	-	13,323	26
University commons	-	-	6,191	15
Women's dormitory	-	-	3,281	79
Salaries	-	-	75,600	00
Library, book purchases only	-	-	4,587	04
Gymnasium	-	-	1,985	45
Prizes, endowed	-	-	599	00
Prizes, unendowed	-	-	600	00
Scholarships	-	-	4,630	30
Annuities	-	-	2,250	62
Appropriations to departments, laboratories, library, and museum	-	-	7,343	89
American School at Athens	-	-	200	00
Interest on loans	-	-	2,633	35
			\$147,749	56

COMPARATIVE SUMMARY OF PROPERTY

	1907	1908
University grounds, buildings, and contents	\$973,250 62	\$1,083,004 33
Investments	1,522,521 78	1,477,878 78
Cash	24,540 25	30,550 52
Balance due from income account	25,422 55	38,627 76
	<u>\$2,545,735 20</u>	<u>\$2,630,061 39</u>
University grounds, buildings, and contents	\$973,250 62	\$1,083,004 33
Endowment funds	1,532,129 61	1,506,919 35
Balances	1,354 97	1,137 71
Bills payable	39,000 00	39,000 00
	<u>\$2,545,735 20</u>	<u>\$2,630,061 39</u>
Less income balances and bills payable	40,354 97	40,137 71
Total property	\$2,505,380 23	\$2,589,923 68
Increase	-	\$84,543 45

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES

	1907		1908	
	Receipts	Expenditures	Receipts	Expenditures
General cash account	\$234,403 66	\$230,281 26	\$272,067 98	\$252,635 24
Income account	122,740 63	118,114 17	134,327 09	147,749 56
Totals	\$357,144 29	\$348,395 43	\$406,395 07	\$400,384 80

The total receipts from investments during the thirteen months were \$83,476.62. The income of the general investments has been divided at the rate of 5.64 per cent. (equivalent to 5.206 per cent. per annum) among the funds and balances to which these investments belong, no interest being allowed to the profit and loss accounts, for general investment, and for Ayres scientific endowment, and only the interest called for by agreement being allowed on the annuity funds. The income remaining after the above division (\$23.26) has been added to the income of the general endowment funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent. of the principal of said fund. Any income above $4\frac{1}{2}$ per cent. shall be added to the principal of the fund. Since this fiscal year contained thirteen months, an expenditure of $4\frac{7}{8}$ per cent. was permitted in the case of the library and prize funds.

During the year, payments of \$17,361.70 increased the Alumni fund from \$47,592.86 to \$64,954.56. Of the new payments \$11,177.15 was credited to the general endowment fund, \$1,139.55 to the general income account, and \$5,045 to scholarship funds.

The total cost of the new North College and its furnishings has been \$135,385.66. Of this amount, \$34,626.11 was received from insurance on the old building, \$1,181.98 from the Undergraduate building fund, \$200 from special gifts, and the remainder, \$99,377.57, has been paid from the general endowment fund. The total cost of remodeling South College, \$18,312.42, has also been defrayed from the general endowment fund.

RECENT GIFTS

Since the publication of the May *Bulletin*, the following gifts to income account have been received: S. W. Bowne, \$1,000; James N. Brown, \$500; C. H. Buck, '64, \$200; Charles Gibson, \$250; Frank S. Jones, \$1,000; Charles Scott, '86, \$500.

Additional payments of \$131 have been received for the Undergraduate building fund for North College. Further payments to the Alumni endowment fund have been made amounting to \$7,062.09. There is to be credited to the same fund \$2,500 given by G. G. Reynolds, '41, for the establishment of the Abigail Pennoyer Reynolds scholarship fund.

J. M. Van Vleck, '50, has given an additional \$2,000 for the Astronomical Observatory fund. For tuition aid, \$250 has been received from

A. J. Holden, '92. J. C. Graham, '90, has given \$50 for the department of chemistry, and \$50 for the department of English literature. The New York Young Alumni have given \$34 for the department of English literature. There has been received for the library \$10 from Miss N. L. Whitney, ex-'90; and for the Alumni library fund \$20 from W. W. Peck, '95.

The following gifts have been received for the museum: H. G. Newton, '70, \$25; S. H. Olin, '66, \$123.83; W. N. Rice, '65, \$25; and for the cryogenic laboratory: G. A. Coles, \$25; R. L. de Zeng, \$25; W. H. Hall, '92, \$100; F. Kniffen, '95, \$50; G. T. Meech, \$5.

HONORARY DEGREES

At the annual Commencement exercises on June 24, 1908, eight honorary doctor's degrees were conferred, four in divinity and four in law. The brief addresses made by President Raymond in conferring the degrees follow:

JACOB FRANCIS COOPER (B. A., '83), because of the twenty-five years of successful service in the New England Southern Conference and of service in the best pastorates of three great cities, namely, Taunton, New Bedford, and Providence, and because of the very high appreciation of the most intelligent hearers in your congregations both of your ability and your character, we welcome you back to your alma mater, and I admit you to the degree of Doctor of Divinity.

JOHN WALTER MAYNARD (B. A., '83), in that class of literature of which St. Paul speaks—epistles known and read of all men—you have written well. Your literary arts course, your course in divinity, your interest in the best books, and your devout spirit have qualified you for this great work. There is no greater work. We recognize this service to-day, and I admit you to the degree of Doctor of Divinity.

JONATHAN MAGIE MEEKER (ex-'73), as pastor and district superintendent you have rendered the church distinguished service in the Newark Conference for many years. A new field, white to the harvest, has just opened before you. It is a marked distinction to have been elected to the presidency of Centenary Collegiate Institute. In recognition of your work and of this honor I admit you to-day to the degree of Doctor of Divinity.

WILLIAM ARMSTRONG RICHARD (B. A., '84), because of that fine appreciation of the real in religion and the practical in theology, which has been characteristic of your work, and because of that sympathy,

wisdom, and sanity with which you have administered your high office as district superintendent in the New York East Conference, I admit you to-day to the degree of Doctor of Divinity.

GLENTWORTH REEVE BUTLER (A. B., Hamilton College, '77), as physician-in-chief to the Methodist Episcopal Hospital in Brooklyn and president of its medical board, and as an honored alumnus of that historic old sister college, Hamilton, we welcome you to-day to this platform. We recognize the distinguished service that you by your ability, your professional training and skill, have rendered the Methodist Episcopal Hospital for a period of twenty years. Your voluminous writings have given you fame; especially your work on *Diagnostics of Internal Medicine*, a work which stands alone in this field, has given you an enviable international reputation among specialists. But name and fame are tame words when compared with that great word service. Because of your distinguished career as a writer and especially because of the service you have rendered, and the promise of still greater service in the years to come, I admit you to the degree of Doctor of Laws.

GEORGE SILAS COLEMAN (B. A., '76), Wesleyan gave you your baccalaureate diploma in 1876. She has welcomed you to her campus for many years as an interested alumnus, and in more recent years as a trustee appreciative of her needs and her mission. Your address at 2 Tryon Row, New York, recalls the fact that for many years you have been a trusted associate counsel of perhaps the most important department in the whole range of municipal administration. In this department by your knowledge and your skill you have made yourself indispensable. Your recent call to the position of counsel for the Public Service Commission is a noteworthy distinction and a reward of merit. Wesleyan calls you back to-day that she may put her seal upon you again, and I admit you to the degree of Doctor of Laws.

LUCIAN LOVE SHEDDEN, your career as district attorney of Clinton County for six years, as county judge for two years, as an appointee of the governor of the State of New York on the important Commission on Gas and Electricity, and your position as regent of the University of the State of New York representing the fourth judicial district, express the confidence of the people in your ability as a lawyer, your integrity as a judge, and your ability and willingness to serve the people. Because of the faithful service rendered in these several positions, and with the expectation that opportunities for conspicuous service will not be wanting, we invite you to our brotherhood. I admit you to-day to the degree of Doctor of Laws.

ROLLIN SIMMONS WOODRUFF, the exalted position you occupy as governor of the Commonwealth of Connecticut is one which the most ambitious might well covet. Great names are in the line of succession between 1639 and 1908. The powers vested in the governor are great, and the channels through which that power reaches the people, the legislative, the judiciary, and the boards and commissions, are many. The confidence of your fellow citizens was shown by the splendid vote given you at your election. You have justified that confidence, and add another honorable name to the long list of honored predecessors. Because of this distinction it gives me pleasure to enroll you in the list of Wesleyan's honorary alumni. By virtue of the authority vested in me as President of Wesleyan University, I admit you to the degree of Doctor of Laws.

ALUMNI ASSOCIATION

The annual meeting of the Alumni Association was held on Tuesday, June 23, 1908, at 10:00 A. M., in Memorial Chapel, with President F. H. Parker, '74, in the chair.

The following officers were elected for the year 1908-9: *President*, F. E. Barker, '74; *Vice-presidents*, Daniel Dorchester, '74, W. D. Leonard, '78, C. D. Foss, Jr., '91; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, J. E. Loveland, '89; *Executive Committee*, M. B. Crawford, '74, W. U. Pearne, '74, J. F. Calef, '77, E. G. Derby, '83, S. V. Coffin, '89; *Alumnus Editor*, K. M. Goode, '04.

W. R. Walkley, '60, and F. W. Clarke, '70, were re-elected alumni trustees for the term expiring October 1, 1913.

The office of Alumnus Editor of the University periodicals (*Wesleyan Literary Monthly* and *Wesleyan Argus*) was established.

W. B. Day, '91, reported for the committee on Alumni endowment fund that no active work had been done during the past year; that \$117,000 has been subscribed, of which \$70,000 has been paid in and on which \$1,400 interest has been received during the past year; that the committee wished to be continued; that nothing had been done in response to the vote of the Association a year ago requesting them to make certain investigations. The report was accepted and the committee continued for the ensuing year.

Attention was called to certain plans set forth by Professor Dutcher in the *Wesleyan Literary Monthly* for May, 1908, and Professor Dutcher,

W. B. Day, '91, C. D. Foss, Jr., '91, G. H. Blakeslee, '93, and C. F. Price, '02, were appointed a committee to investigate the plans and report at the next annual meeting.

A letter from Bostwick Hawley, '38, the oldest living alumnus, was read and it was voted to send the greetings of the Association to Doctor Hawley.

Joseph Beech, '99, was invited to address the Association with reference to the proposed Methodist college in the projected interdenominational university in West China. The Association voted its hearty approval of the plan, and requested Mr. Beech to bear its greetings to the other Wesleyan men in China.

H. D. Gordon, '92, reported progress in raising funds for the purchase of Professor Atwater's library for the University.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel, Tuesday, June 23, 1908, at 12:00 M., President D. L. Robertson, '78, in the chair.

The following officers were elected: *President*, J. C. Wells, ex-'88; *Vice-president*, R. W. Rymer, '00; *Secretary-Treasurer*, H. B. Shonk, '03, 141 Broadway, New York.

L. E. Gordon, '94, of Hartford, was elected a member of the athletic council for a term of three years to succeed C. H. Judd, '94, who could not accept reelection, although he had received the highest number of nominating ballots.

The report of the secretary-treasurer, C. F. Price, '02, showed 337 paid memberships, an increase of exactly 100 over the previous year, and receipts of \$1,224.89, an increase of more than 25 per cent. over the receipts of the previous year. Out of this unexpectedly large surplus, the Association contributed \$175 to the track team for coaching, and left a balance of \$62.28 to be carried forward. Membership subscriptions for the coming year were obtained from nearly every member of the class of '08, which is the best record of any Wesleyan class. The agreement to pay \$900 a year toward Mr. Reiter's salary was renewed for two years.

APPOINTMENTS TO THE FACULTY

LEROY ALBERT HOWLAND, elected Associate Professor of Mathematics, was graduated from Wesleyan University with the degree of B. A. in 1900, and from Harvard University with the degree of M. A. in 1904. He was instructor in mathematics in Drexel Institute, Philadelphia, from 1900 to 1903, and in Wesleyan University from 1905 to 1906. He pursued graduate work in Harvard University from 1903 to 1905, and, as Parker fellow from Harvard University, in the University of Munich from 1906 to 1908. He is now printing, as his thesis for the doctorate at the University of Munich, *Anwendung der binären Invarianten zur Bestimmung der Wendetangenten einer Kurve dritter Ordnung*.

JOHN WILLIAM TURRENTINE, elected Instructor in Chemistry, was graduated *cum laude* from the University of North Carolina in 1901 with the degree of Ph. B., and in 1902 with the degree of M. S. with certificate in chemistry. He was instructor in chemistry in Lafayette College from 1902 to 1905; assistant in chemistry in Cornell University in 1905-6, and in electrochemistry from 1906 to 1908; and assistant in chemistry in the Cornell University summer school in 1906, 1907, and 1908. While at Cornell University he completed his graduate studies, and received the degree of Ph. D. in 1908. His doctoral dissertation, entitled *Contributions to the Chemistry of Hydrazine*, is in press, and portions of it have already been presented as papers before the American Chemical Society at its meetings in Chicago, December, 1907, and New Haven, July, 1908. Since 1907 he has been a member of the board of abstracters of the *Chemical Abstracts* of the American Chemical Society. He is a member of the American Association for the Advancement of Science, the American Chemical Society, the American Electrochemical Society, and the Alpha Chapter of the honorary Society of Sigma Xi. Doctor Turrentine has published:

Contributions to the Chemistry of the Rare Earths (with Charles Baskerville). *Journal of the American Chemical Society*, v. 26, pp. 46-54, January, 1904. (Master's thesis.)

Copper Cathodes in Nitric Acid. *Journal of Physical Chemistry*, v. 10, pp. 715-720, December, 1906. *Transactions of the American Electrochemical Society*, v. 10, pp. 49-54, 1906.

Action of Ammonium Persulphate on Metals. *Journal of Physical Chemistry*, v. 11, pp. 623-631, November, 1907. *Transactions of the American Electrochemical Society*, v. 12, pp. 297-305, 1907.

Reversed Electrolysis. *Journal of Physical Chemistry*, v. 12, pp. 448-467, June, 1908. *Transactions of the American Electrochemical Society*, v. 13, pp. 284-307, 1908.

LOUIS BLISS GILLET, elected Instructor in English, was graduated from Columbia University with the degree of B. A. in 1904. He was instructor in English at Wesleyan Academy, Wilbraham, Massachusetts, in 1904-5, and at Temple College, Philadelphia, in 1906-7, and assistant in English at Columbia University in 1907-8. He has pursued graduate studies at Harvard University in 1905-6 and at Columbia University in 1907-8.

DAVID DAY WHITNEY, elected Instructor in Biology, was graduated from Wesleyan University in 1904 with the degree of B. A., and from Columbia University with the degree of M. A. in 1906. From 1904 to 1908 he was a graduate student at Columbia University, where he held the Jones scholarship for research in zoölogy in the summers of 1906 and 1908, and was assistant in zoölogy in 1907-8. He spent the summer of 1905 in the laboratory at Woods Hole, Massachusetts, and the summers of 1906 and 1908 in the laboratory at Cold Spring Harbor, New York. He has published the following papers, the three upon *Hydatina senta* forming his doctoral dissertation:

An Examination of the Effects of Mechanical Shocks and Vibration upon the Rate of Development of Fertilized Eggs. *Journal of Experimental Zoölogy*, v. 3, pp. 41-47, February, 1906.

The Influence of External Factors in Causing the Development of Sexual Organs in *Hydra Viridis*. *Archiv für Entwicklungsmechanik der Organismen*, v. 24, pp. 524-537, October, 1907.

Determination of Sex in *Hydatina Senta*. *Journal of Experimental Zoölogy*, v. 5, pp. 1-26, November, 1907.

Artificial Removal of the Green Bodies of *Hydra Viridis*. *Biological Bulletin*, v. 14, pp. 291-299, December, 1907.

Further Studies on the Elimination of the Green Bodies from the Endoderm Cells of *Hydra Viridis*. *Biological Bulletin*, v. 15, pp. 241-246, October, 1908.

Dessication of Rotifers. *American Naturalist*, v. 42, pp. 665-671, October, 1908.

Observations on the Maturation Stages of the Parthenogenetic and Sexual Eggs of *Hydatina Senta*. *Journal of Experimental Zoölogy*, v. 6, December, 1908.

The Effect of a Centrifugal Force upon the Development and Sex of Parthenogenetic Eggs of *Hydatina Senta*. *Journal of Experimental Zoölogy*, v. 6, December, 1908.

ROBERT EPHRAIM FINLAY, elected Assistant in Chemistry, was graduated from Wesleyan University in 1908 with the degree of B. S. During his senior year he regularly performed the duties of the position to which he has now been elected.

DEPARTMENT NOTES

LATIN.—From the collections of Professor Atwater, Mrs. Atwater has presented to the department a number of photographs of statuary, mostly from originals in Roman museums. More than thirty of the pictures are of classical subjects, and were already suitably framed. These have been placed upon the walls of the classical seminary room.

ENGLISH LANGUAGE.—Two new prizes are offered for excellence in English composition. The Cole prize, the gift of George Henry Walker, '81, in memory of Charles Edward Cole, will be awarded to that member of the sophomore class who maintains the highest standing in English composition from the mid-year period of his freshman year to the end of his sophomore year. The amount of this prize is thirty-five dollars. Competition for this prize will begin at the mid-year period of 1909.

The Mead prize, in memory of Reverend Merritt Bates Mead, will be awarded to that member of the junior class who writes the best English essay. Essays in competition for this prize must not exceed twelve hundred words in length, and must be left with the professor of the English Language on or before the first Saturday following the Easter recess. The amount of this prize is twenty dollars.

PHYSICS.—For the first time the University is offering instruction in descriptive geometry and mechanical drawing. The course, which consists of lectures, recitations, and practice in the drafting room, is given by A. C. Stevens, who is also the assistant in the department of physics. Room 40 in Scott Laboratory has been equipped with drawing tables and other accessories for the purpose.

Professor Cady has nearly completed two lines of investigation on the electric arc which he has carried on during the past year with the assistance of A. C. Stevens and G. W. Vinal, the assistants in the department, and he will shortly publish the results. In order to produce high-tension direct current for this experimental work, a small 500-volt generator was purchased during the summer.

CHEMISTRY.—The appointment of Doctor Turrentine, who is a specialist in physical chemistry and electrochemistry, has made possible the offering of courses in those two important branches of chemistry this year for the first time at Wesleyan. Although these courses are necessarily only introductory in their respective lines, yet taken in connection with the work in industrial chemistry inaugurated by Doctor Renshaw last year, they represent a very important development of the

department along the most modern and practical lines. That this meets a real demand and is appreciated is shown by the election of these courses by a large majority of the students eligible to enter them.

In addition to the course in electrochemistry, concerning which the statement appeared in the *Announcement of Courses* in June, Doctor Turrentine will offer a laboratory course, counting as two hours a week, in applied electrochemistry. Electrolysis, measurement of electrical constants, determination of current and energy efficiencies in electrolytic work, commercial methods of electrolytic plating and refining of metals, and the electrochemical preparation of pigments and of organic and inorganic compounds in general will be the subjects of investigation.

It is also a gratifying indication of the growth of the department, that the seminary course, which has been omitted for some time, is given again, with a goodly number of elections. The work consists chiefly of reports of reading upon topics assigned with the purpose of developing the student's range of information, especially in connection with the most recent investigations.

Since the publication of the May *Bulletin*, the department has received from manufacturers the following gifts illustrative of the processes and products of industrial chemistry for use in the course in that subject: National Light and Thorium Company, Youngstown, Ohio, incandescent mantles; Alcohol Utilities Company, New York, Manning Bowman and Company, Meriden, and Landers, Frary, and Clark, New Britain, alcohol utilities; United States Industrial Alcohol Company, Peoria, Illinois, alcohol manufactures; J. B. Van Horn, '08, New York, starches, dextrins, etc.; Larkin Company, Buffalo, soaps; H. D. Gordon, '92, Hazardville, Connecticut, shoddies; Hawes, Von Gal Company, Danbury, hats; Straus and Company, New York, Cheney Brothers, Manchester, Connecticut, and S. A. Salvage, New York, natural and artificial silks.

GEOLOGY.—On account of Professor Rice's duties during the present year as acting president, he has been relieved of the charge of the class in physical geography. Isaiah Bowman, B. S., Instructor in Geography in Yale University, has been employed this year, as last, to take charge of that class. Professor Rice is conducting this year the elementary course in geology and the course in mineralogy. The advanced courses in this department are postponed until next year.

SOME EFFECTS OF THE ELECTIVE SYSTEM

The following data show some of the more interesting results of the extension of the elective system this year, but obviously several of these changes are only temporary, so that several years will be required for a fair test of the operation of the new elective system. No explanation has been found for the abrupt and surprising decrease in the number of students offering Greek for admission, and the figures of succeeding years must be awaited to determine whether the decrease is accidental or significant.

There has been a noticeable decrease this year in the number of students presenting both Greek and Latin for admission. Fifteen years ago about 60 per cent. of the students entered the classical course, presenting both Greek and Latin. The number gradually dropped to about 30 per cent., and this year only 12 per cent. offer three years of Greek for admission. Those who offer Greek for admission are, with one exception, continuing the subject in college; but the present freshman class in Greek numbers only 11 as compared with 31 last year. Greek is not an absolute requirement for the B. A. degree under the new course of study, as the rule is that a candidate for that degree must take one course in Greek or Latin, and one course in Greek, Latin, mathematics, or a modern language. Forty-nine out of the 100 new students in the entering class presented the requirements for admission to the classical course, and all these are continuing Latin with three exceptions, of whom two are candidates for the B. S. degree, although they presented the requirements for admission to the classical course. Freshman Latin and Greek have each been reduced from a four-hour course to a three-hour course. There is a supplementary course of one hour a week in each of the languages, elective for those who are intending to specialize in classics. In I. A. Latin the work of the course consists in reading at sight and prose composition, with occasional lectures. In I. A. Greek the time is devoted to rapid reading in the *Odyssey*. Twenty have elected the Latin course this year, and four the Greek course.

Of the 47 freshmen candidates for the degree of B. A., of whom mathematics is no longer absolutely required, 26 have elected at least one course in mathematics. Physics and chemistry were formerly required of classical sophomores. They are elective this year, and the classes are taken by 12 and 29 sophomores respectively and by a large number of freshmen. I. Economics was formerly required of juniors, with permission to take the subject in the sophomore or senior year

with the consent of the instructor. The class numbers 67 this year, as against 94 last year. English History, previously a sophomore elective, has been thrown open to freshmen; and psychology and logic, formerly required of juniors and sophomores respectively, have been combined into one course, elective for sophomores. The elementary courses in history and philosophy are therefore practically doubled this year, 70 having elected history and 110 philosophy. The course in ethics, previously required of seniors, is now an elective and has been chosen by 29 seniors this year.

The members of the junior class have chosen to make their major study in the following departments: English literature, 16; biology, 8; economics, 8; Romance languages, 7; philosophy, 7; chemistry, 5; physics, 5; German, 3; history, 3; mathematics, 2; Latin, 1; Greek, 1.

MUSEUM

Reverend Joseph Beech, '99, missionary in West China, has presented to the museum an interesting collection of ethnological specimens from China and Tibet. The collection includes about 800 coins and about 300 other specimens. Among these are idols and other objects used in worship, domestic utensils, carvings in jade, ivory, and other materials, pictures, and books. Some of the specimens are of very great antiquity, others are elegantly artistic. The collection is a very valuable one, and instructive in regard to many phases of the life of the people.

From the widow of Reverend Merrill Hitchcock, '81, the museum has received as a donation Mr. Hitchcock's herbarium. From his student days to the end of his life, Mr. Hitchcock was an earnest student of botany and an enterprising and conscientious collector. The specimens in his herbarium are finely preserved and number about 700. Of these about 200 were collected in Connecticut. Collections illustrative of the local natural history of this region are especially welcome in the museum. A committee of the Connecticut Botanical Society, who are preparing a bulletin on the flowering plants of Connecticut, to be published by the State Geological and Natural History Survey, have obtained from this herbarium valuable information in regard to localities of rare plants, or plants the limit of whose range lies in this vicinity.

ENTRANCE EXAMINATIONS

Wesleyan University has joined the College Entrance Examination Board, and hereafter the examinations set by the board annually in June will be conducted in Middletown. The University will therefore cease to give its own entrance examinations in June, but will continue to conduct its own entrance examinations in September. The examinations conducted by the board are given in many cities and towns, and in connection with the most important college preparatory schools throughout the United States. A list of the places of examination may be obtained from the secretary of the board. New examination centers are established from time to time as demand requires. This arrangement will, therefore, be of great advantage to prospective Wesleyan students, for it will obviate the necessity of a trip to Middletown to take the examinations in June. The entrance examinations conducted by the University in September must be taken in Middletown, as formerly.

In 1909, the board examinations will be conducted from June 14 to June 19, inclusive. Candidates for examinations must make application to the Secretary of the College Entrance Examination Board, Post Office Sub-station 84, New York, on blanks which may be obtained from him by the candidate or his teacher. These applications must be received by the secretary on or before Monday, May 31, 1909. Each application for an examination must be accompanied by an examination fee of \$5, which may be remitted by postal order, express order, or draft on New York, to the order of the College Entrance Examination Board. The fee must be paid by all applicants, whether they intend to present themselves for examination in one subject or in several subjects. Candidates who have not filed an application with the secretary, if admitted to examination by the supervising officer in charge, must pay an extra fee of \$5.

UNIVERSITY NOTES

ATWATER LIBRARY.—H. D. Gordon, '92, has in charge the raising of \$7,500, which has been fixed as the purchase price of the library of the late Professor Atwater. The value of this large collection is greatly enhanced by the practically complete series of chemical periodicals. Some of the sets could scarcely be duplicated to-day. In spite of the financial stringency during the past year, several hundred dollars has already been paid in, and it is hoped that the alumni will generously and promptly complete the amount needed. Meantime, through an arrangement with Mrs. Atwater, the library remains accessible in Judd Hall. The library

contains more than five thousand volumes, including about twenty-five hundred volumes of periodicals.

UNIVERSITY REGULATIONS.—A new edition of the regulations governing students has just been published. Several amendments have been introduced. The allowance of absences from chapel exercises has been changed from twenty a term to thirty for a half-year. This does not change the total, but effects a more even distribution of the allowance. An important amendment rigidly restricts the privilege of changing the registration of electives after the close of the first week in each half-year. Another radical change requires members of the three upper classes to register their choice of electives for the ensuing year in June, though entire freedom of change is allowed at the opening of the college year in September. The regulations concerning special examinations and attendance on laboratory exercises have been strengthened.

NEW RULE CONCERNING HONORS IN GENERAL SCHOLARSHIP. — The adoption of the new course of study has made necessary a restatement of the requirements for honors in general scholarship. For graduation a total of not less than sixty hours is now required. For high honors, the candidate must have completed not less than forty-six hours with marks of first grade, and not less than fifty-six hours with marks of first or second grade, and have no mark below third grade. For honors, the candidate must complete fifty-six hours with marks of first, second, or third grade, with the number of hours of first grades equal to the number of hours of third grades, and there must be no mark below fourth grade.

AYRES PRIZE.—The Ayres prize for the best examination in the subjects required for admission to the classical course has been awarded, in the class of 1912, to George Landon Buck of New London, Connecticut.

HOSPITAL BED FOR STUDENTS.—The committee of ladies which is raising an endowment for a free bed in the Middlesex Hospital for the use of Wesleyan students is able to report gratifying progress. Nearly six hundred dollars was received last spring in response to the circular sent to the alumni, thereby increasing the fund to something over \$2,000. On November 19 and 20, a bazaar was held in the Fayerweather Gymnasium under the efficient management of Mesdames Cady, Dodge, James, and Nicolson. The bazaar was liberally supported by students and faculty, as well as by the townspeople. Many of the merchants of Middletown contributed generous donations. In organizing and conducting the bazaar, the ladies of the faculty received able and untiring assistance from the wives and families of all alumni residing in the

vicinity. It is hoped that fully \$1,600 may be realized from this enterprise. With accruing interest and some additional subscriptions, which have not yet been paid, the fund should amount to \$4,000 within two or three months. It is desired to raise \$5,000 in all, and subscriptions may be sent to Mrs. A. C. Armstrong, 166 High Street, Middletown, who is the chairman of the committee.

MID-SEMESTER REPORTS.—By a vote of the faculty adopted last year, regular reports are now required from each member of the faculty, at the middle of each half-year, of all students who are not keeping up satisfactorily in their work. It is expected that this closer watch upon the student's work will result in more consistent application to study and in fewer failures at the examinations.

MEETINGS AT WESLEYAN UNIVERSITY.—The Connecticut Group of the New England Modern Language Association and the Connecticut Mathematical Institute met at Wesleyan University on November 14. Professor Kuhus spoke before the former organization on college preparatory work in modern languages.

INTERCOLLEGIATE ATHLETICS.—The Athletic Council, at its meeting on May 16, voted that Wesleyan University should join the Association of New England Colleges for Conference on Athletics.

REPAIRS AND IMPROVEMENTS.—During the summer the electric light and power wires on the campus were placed under ground. New walks were laid about North College, and the other campus walks were extensively repaired.

FACULTY NOTES

EX-PRESIDENT RAYMOND.—Doctor Raymond has been granted a leave of absence for the present year. He spent most of the summer on Martha's Vineyard. At present he is in a sanitarium at Clifton Springs, New York, taking a course of treatment.

MEETINGS ATTENDED.—Professors Rice and Cady attended the meeting of the American Association for the Advancement of Science at Dartmouth College from June 29 to July 3; and Professor Rice participated in a number of geological excursions taken by the geological section of the Association. On October 24, Professor Rice participated in the Intercollegiate Geological Excursion of the Colleges of Southern New England, which visited the terminal moraines of the great ice sheet of the glacial period on Long Island. On October 29 and 30, Professors Rice and Harrington attended the meeting of the Association of Colleges in New England at Boston University. On November 9, Professor

Rice gave an address on The Ethical and Religious Lessons of Science before the Mid-year Assembly of the New York East Conference in Brooklyn; and Professor Fisher spoke on The Social Problem and the Christian. Professor Rice was present at the meeting of the Connecticut Federation of Churches in Hartford on November 20, at which a permanent organization was effected, and he was elected vice-president for the ensuing year.

Professor Winchester attended the meeting of the New England Association of Colleges and Preparatory Schools at the Massachusetts Institute of Technology and Boston University on October 9, and the New England Association of Teachers of English in Springfield on November 14. Professor Winchester made his annual visit to Wells College and delivered a series of lectures during Thanksgiving week, and during the fall he has also given a series of lectures under the auspices of the Brooklyn Institute of Arts and Sciences, in the new Academy of Music.

Professor Armstrong was present as the representative of the *Philosophical Review* at the Third International Congress of Philosophy in Heidelberg from August 31 to September 5, and read a paper on The Evolution of Pragmatism. On November 17, Professor Armstrong represented Wesleyan University at the inauguration of Reverend Francis Brown as president of Union Theological Seminary.

Professor Heidel was the representative of Wesleyan University at the celebration of the seventy-fifth anniversary of Haverford College on October 16 and 17.

Professor Nicolson spoke on the work of the New England College Certificate Board before the Association of Head-masters of Western Massachusetts at Pittsfield on October 16. Professor Heidel presided at the meeting of the Connecticut Branch of the New England Classical Association at Trinity College, Hartford, on December 5; Professor Hewitt spoke on the unification of college entrance requirements in Greek and Latin, and Professor Harrington introduced a resolution to that end which was adopted. Professor Dutcher attended the celebration of the two hundredth anniversary of the Saybrook Platform, at Saybrook, on September 29, and the meeting of the New England History Teachers' Association in Boston on October 24.

Professor Bradley and Doctors Renshaw and Turrentine attended the meeting of the American Chemical Society in New Haven from June 29 to July 2, and each read two papers, all but one of the six being presented before the physical section of the society. Professor Conn gave an address on White Cross Milk before the Tuberculosis Congress at Washington in October.

FACULTY VACATIONS.—Professor Kuhns, who went to Europe at the beginning of May, spent the summer in France and Switzerland. After Commencement, Professors Crawford, Armstrong, and Fife went abroad for the summer and spent some time in Switzerland. Professor Fife extended his tour into the Tyrol, Germany, and England; and Professor Armstrong spent some time along the Rhine.

CONNECTICUT GEOLOGICAL AND NATURAL HISTORY SURVEY.—The two publications of the Survey which were referred to in the last number of this *Bulletin* as in press have been published. These are Bulletin No. 10, a preliminary Report on the Algae of the Fresh Waters of Connecticut, by Professor H. W. Conn of Wesleyan University; Bulletin No. 11, the Bryophytes of Connecticut, by Professor A. W. Evans and Mr. G. E. Nichols of Yale University. The biennial report to the legislature, written by Professor Rice, the superintendent of the Survey, will be published before the first of January. Two other bulletins have been accepted for publication, and have been ordered by the board of control of the state to be printed. These are the following: Lithology of Connecticut, by Professor J. Barrell of Yale University and Doctor G. F. Loughlin of Massachusetts Institute of Technology; Flowering Plants and Pteridophytes of Connecticut, by a committee of the Connecticut Botanical Society. Other bulletins have been accepted for publication, but have not been ordered by the board of control to be printed, because the appropriation for publication is nearly exhausted. These are a second report on the Hymeniales of Connecticut, by Professor E. A. White of Amherst Agricultural College; Triassic Fishes of Connecticut, by Doctor C. R. Eastman of Harvard University; and two parts of a work on the Insects of Connecticut (including a general discussion of the class and a particular account of the Orthoptera of Connecticut), prepared by a number of collaborators under the direction of Doctor W. E. Britton of the Connecticut Agricultural Experiment Station.

LABORATORIES OF THE STATE BOARD OF HEALTH.—The work of the laboratories has more than doubled during the past year. The biennial report to the legislature, which is now in press, shows that during a period of twenty-two months there have been examined more than 5,000 specimens received from all parts of the state. Bacteriological examinations are made for the detection of tuberculosis, diphtheria, typhoid fever, malaria, and rabies; and samples of water and milk are analyzed. A large number of wells used for school supply have been examined, and a considerable proportion of them condemned. The examination of the watersheds of reservoirs has also been undertaken. A large amount of

work is being done at present in the examination of the throats of school children in communities where diphtheria is common, to aid the health officers in determining the question of closing the schools or quarantining such scholars as are carrying diphtheria bacilli. Kenneth Noel Atkins, Ph. B., '08, has been appointed to assist in the bacteriological work, in place of Miss Cary who has resigned.

UNDERGRADUATE NOTES

CHRISTIAN ASSOCIATION.—Professor Hewitt and a goodly number of students from the Association were at the Northfield Conference last summer. Bible study has been taken up according to the same plan as last year, with Professor Hewitt's normal class as the central factor. There has been a notable increase in the membership of the classes. Several excellent speakers from outside have addressed the meetings of the Association, including Reverend Harry C. Fosdick of Montclair, New Jersey, Mr. Hugh R. Monroe of New York, Professor James McConaughy of the Mount Hermon School, Reverend Charles Stelzle of New York, and Reverend H. C. Stuntz of New York. The annual reception to the freshmen was held on October 24. The Association was represented at the first International Student Bible Conference at Columbus, Ohio, on October 22-25, by Barbour, '09.

DEBATE.—The question for the triangular league debate this year is: *Resolved*, That all railroads engaged in interstate commerce should be operated by companies incorporated by the federal government (the question of constitutionality is waived). The debates will occur on Friday evening, December 18. Wesleyan will uphold the affirmative against Amherst in Middletown, and will defend the negative against Williams at Williamstown. The affirmative team is Brengle, '10, Hancock, '09, and Vanderbilt, '10, alternate; the negative team is Barbour, '09, Roberts, '10, and Barker, '09, alternate. A two-year agreement has been made with Bowdoin College for a debate in the spring.

PRESIDENT OF COLLEGE BODY.—The President of the College Body during the present year is Roy Bullard Chamberlin, '09, of Kingston, Pennsylvania.

BETA THETA PI.—The Tobey property on the northeast corner of High and Church Streets, nearly opposite the campus, has been purchased by the Beta Theta Pi fraternity, which intends to erect a club house on the ground.

NORTH COLLEGE STORE.—The Wesleyan Store conducted by three students in North College during the latter half of last year proved a failure. A more conservative enterprise, known as the North College Store, is being conducted this year by R. W. Eaton, '12.

ALUMNI NOTE

The committee appointed at the meeting of the Alumni Association in June to consider the scheme outlined by Professor Dutcher met at the New York Alumni banquet on December 4, and decided to draft a report to be presented at the meeting of the Alumni Association next June, recommending a plan for the coöperation of the local alumni clubs, for the better diffusion of information about the University among the alumni, and for a regular annual subscription from the alumni to the general endowment fund of the University. The proposed plan is somewhat similar to the one which has been in operation at Yale for nearly a score of years.

LOCAL ALUMNI ASSOCIATIONS

WESLEYAN ALUMNI CLUB OF NEW ENGLAND. — *President*, Ferris Greenslet, '97; *Vice-president*, W. E. Rowell, '85; *Secretary*, S. F. Crowell, '02, 43 Federal Street, Boston, Massachusetts; *Treasurer*, C. N. Quimby, '90; *Executive Committee*, W. L. Snow, '94, E. A. Wilkie, '76, C. D. Marcy, ex-'65. The twenty-sixth annual meeting and dinner will be held about the middle of January.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.—*President*, P. J. Treat, '00; *Vice-president*, C. W. Atwater, '06; *Secretary-Treasurer*, C. L. Newton, '02, 84 State Street, Boston, Massachusetts. Thirty-seven were present at the first meeting of the year, which was held at the Boston City Club on October 27, with Professor Bradley as the guest of honor.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.—*President*, F. R. North, '97; *Vice-president*, W. E. Russell, '93; *Secretary-Treasurer*, J. W. Taylor, '02, Turner, Maine. At the second annual dinner in Augusta, April 24, 1908, E. M. Mills, '72, and Professor Hewitt were guests of the club.

WESLEYAN ALUMNI OF PROVIDENCE. — At a meeting on March 4, 1908, A. J. Coultas, '80, E. S. Ninde, '87, and G. W. Gardiner, '89, were appointed a committee to draft a constitution. It is expected that permanent organization will be effected at an early date.

WESLEYAN ALUMNI OF NEW HAVEN.—At a dinner on May 23, 1908, H. L. Agard, '04, C. H. Judd, '94, H. E. Wilson, '04, were named a committee to arrange for a similar gathering this year.

WESLEYAN ALUMNI CLUB OF NEW YORK.—*President*, C. D. Burdick, '86; *First Vice-president*, C. H. Judd, '94; *Second Vice-president*, G. M. La Monte, '84; *Secretary*, C. F. Corner, '03, 245 Greene Avenue, Brooklyn, New York; *Treasurer*, G. R. Munroe, '93; *Executive Committee*, J. A. Anderson, '96, I. S. Haynes, '85, W. B. Tower, '96, H. A. Ingraham, '00, Ralph Norton, '03. The fortieth annual banquet was held at the Hotel Savoy on December 4. W. F. Randall, '80, acted as toastmaster, and Bishop Goodsell, G. G. Reynolds, '41, Acting President Rice, W. W. Wilcox (Williams, '85), G. H. Blakeslee '93, and J. T. Hancock, '09, spoke.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.—*President*, H. B. Shonk, '03; *Vice-president*, H. N. French, '05; *Secretary*, W. G. Murphy, Jr., '06, 34 Nassau Street, New York; *Treasurer*, J. S. Olney, ex-'05; *Executive Committee*, K. M. Goode, '04, W. W. Pickard, '99, F. D. Beattys, '85. The first meeting of the year was held on October 30, and the next meeting will be held in January.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.—*President*, A. L. Andrews, '75; *Secretary*, A. H. Burdick, '99, 16 University Place, Schenectady, New York; *Executive Committee*, S. G. Landon, '89, D. L. Robertson, '78, E. P. Stevens, '74, T. R. Kneil, '75, H. W. Fellows, '88. This association was organized at the New Kenmore Hotel, Albany, May 8, 1908.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.—*President*, T. E. Hancock, '71; *Vice-president*, E. L. Meritt, '91; *Secretary*, L. R. Weeks, '06, 621 Onondaga Street, Syracuse, New York; *Executive Committee*, W. G. Cooper, '02, L. D. Bristol, '03, M. C. Cramer, '04.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY. — *President*, A. B. Poland, ex-'72; *Vice-president*, A. B. Meredith, '95; *Secretary*, H. P. Day, '03, Rooms 801-806 Prudential Building, Newark, New Jersey; *Treasurer*, W. MacNaughten, '00. The next annual dinner will probably be held in the early part of February.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.—*President*, W. F. Hamilton, '79; *Secretary*, G. I. Bodine, Jr., '06, 129 South Fourth Street, Philadelphia; *Treasurer*, Monroe Buckley, '99. At the annual banquet on November 27, Professor Kuhns acted as toastmaster, and M. A. Knapp, '68, was the guest of honor.

PHILADELPHIA YOUNG ALUMNI ASSOCIATION. — *President*, H. A. Thompson, '93. This association was formed on November 27, 1908. It is expected that permanent organization will be effected at a meeting to be held in the near future. Committees were appointed to push the work of organization, and to develop methods of publicity and to interest prospective students in Wesleyan.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.—*President*, G. L. Peck, '90, Board of Trade Building, Scranton, Pennsylvania. The last annual banquet was held in Scranton on March 20, 1908, with Professor Cady as representative of the faculty, and G. S. Bennett, '64, and J. G. Shepherd as representatives of the trustees.

WESLEYAN ALUMNI ASSOCIATION OF WESTERN PENNSYLVANIA. — *President*, Daniel Dorchester, '74; *Secretary*, H. B. Powell, Jr., '06, Mellon National Bank, Pittsburg, Pennsylvania; *Executive Committee*, J. W. Langdale, '03, Arthur E. Young, '98. This association was organized at the Fort Pitt Hotel, Pittsburg, February 21, 1908.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON.—*President*, M. A. Knapp, '68; *Vice-president*, E. B. Rosa, '86; *Secretary*, E. W. Thompson, '98, 1212 Fourteenth Street, N. W., Washington, D. C.; *Treasurer*, O. S. Smith, '87. This association was organized January 3, 1908.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.—*President*, A. F. Nightingale, '66, *Vice-president*, M. B. Waltz, '95; *Secretary-Treasurer*, J. E. Wing, '00, 1700, 115 Adams Street, Chicago, Illinois; *Choragus*, G. B. Lufkin, '02; *Executive Committee*, M. P. Hatfield, '70, H. E. Cobb, '87, G. W. Sherburn, '06. The next monthly lunch will be held on December 16.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA. — *President*, C. M. Parker, '68; *Secretary-Treasurer*, E. P. Clarke, '85, *Daily Press*, Riverside, California. The last annual meeting was held at the home of Cornelius Cole, '47, Colegrove, Los Angeles County, on September 24, with H. W. Warren, '53, and E. M. Mills, '72, as guests.

RECENT COLLEGE APPOINTMENTS

Class

- 1875 Clarence Abiathar Waldo, Professor of Mathematics, Washington University, St. Louis.
- 1881 Elmer Truesdell Merrill, Professor of Latin, University of Chicago.
- 1887 Edward Everett Cornwall, Professor of Internal Medicine, Brooklyn Postgraduate Medical School.

Class

- 1890 John Andrew Bergström, Professor of Education, Leland Stanford University.
- 1891 Eugene Allen Noble, President of Woman's College of Baltimore.
- 1892 Duncan Starr Johnson, Professor of Botany, Johns Hopkins University.
- 1894 Charles Hubbard Judd, Dean (elect) of the School of Education and Head Professor of Education, University of Chicago.
- 1900 Charles Alton Ellis, Assistant Professor of Civil Engineering, University of Michigan.
- 1900 Leroy Albert Howland, Associate Professor of Mathematics, Wesleyan University.
- 1900 Payson Jackson Treat, Instructor in History, Harvard University.
- 1902 William Harry Clemons, Reference Librarian, Princeton University.
- 1902 Frederic Milton McGaw, Professor of Mathematics, Beaver College.
- 1904 Asa Russell Gifford, Reader in Philosophy, Bryn Mawr College.
- 1904 Paul Nixon, Instructor in Greek and Latin, Dartmouth College.
- 1904 Henry Adelbert White, Instructor in English, Colby College.
- 1904 David Day Whitney, Instructor in Biology, Wesleyan University.
- 1905 Hanford Curtis Adams, Assistant in Electrical Engineering, Columbia University.
- 1905 Frank Chester Becker, Instructor in Philosophy, University of Illinois.
- 1908 Harold Joel Conn, Assistant in Soil Investigation, Federal Experiment Station, Cornell University.
- 1908 Robert Ephraim Finlay, Assistant in Chemistry, Wesleyan University.

FELLOWS

- 1894 Arthur Mathews Gates, *Latin*, Johns Hopkins University.
- 1904 Frank Nugent Freeman, *Philosophy* and *Psychology* (traveling), Yale University.
- 1905 Victor Caryl Myers, *Physiological Chemistry*, Yale University.
- 1906 Frank Egleston Robbins, *Classics*, University of Chicago.
- 1906 Frederick Warren Wright, *Classics*, Princeton University.

SCHOLARS

- 1903 Clarence Frederic Hale, *Chemistry*, Cornell University.
- 1904 Harry Leslie Agard, *Mathematics*, Yale University.
- 1907 Howard Arnold Seckerson, *English*, Yale University.

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MAY, 1909

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WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 44 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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PRESS OF PELTON & KING
MIDDLETOWN, CONNECTICUT

1909

CALENDAR

June 11	Friday	9:00 A. M.	Final examinations will begin.
June 14	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 25	Friday	8:00 P. M.	Prize Declamation Contest.
June 26	Saturday	3:00 P. M.	Baseball Game, Amherst vs. Wesleyan.
June 26	Saturday	5:00 P. M.	Preliminary meeting, Phi Beta Kappa.
June 26	Saturday	8:15 P. M.	Concert by the Musical Clubs.
June 27	Sunday	10:30 A. M.	Baccalaureate Sermon, by Acting President William North Rice, Ph. D., LL. D.
June 27	Sunday	7:30 P. M.	University Sermon, by Reverend Wilbur Fisk Tillett, D.D., LL. D.
June 28	Monday	9:00 A. M.	Annual meeting, Phi Beta Kappa.
June 28	Monday	11:00 A. M.	Final Chapel Exercises. Award of prizes and of preliminary honors. Addresses by Acting President Rice and President-elect Shanklin.
June 28	Monday	2:00 P. M.	Class Day Exercises.
June 28	Monday	4:00-7:00 P. M.	President's Reception.
June 28	Monday	6:00-9:00 P. M.	Class Reunions.
June 28	Monday	7:30 P. M.	Class Day Exercises, Webb Hall.
June 28	Monday	8:00 P. M.	Meeting, Board of Trustees.
June 28	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 29	Tuesday	9:00 A. M.	Meeting, Board of Trustees.
June 29	Tuesday	9:30 A. M.	Meeting of the Alumnae.
June 29	Tuesday	10:00 A. M.	Meeting, Alumni Association.
June 29	Tuesday	12:00 M.	Meeting, Alumni Athletic Association.
June 29	Tuesday	12:30 P. M.	University Luncheon.
June 29	Tuesday	3:30 P. M.	Baseball Game, Alumni vs. Varsity.
June 29	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 30	Wednesday	10:30 A. M.	COMMENCEMENT. Contest for the Rich Prize. Conferring of Degrees.
Sept. 29	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 30	Thursday	9:00 A. M.	College year will begin.
Oct. 29	Friday	10:00 A. M.	Installation of President Shanklin.



WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT 21, 1831

PERHAPS the most important action that has been taken by the board of trustees on any matter of policy since 1872 is the definitive decision made at a recent meeting of the board that no woman shall be admitted, on the present plan, to any class later than the class which will enter in 1909 and graduate in 1913. The question of coeducation at Wesleyan is therefore no longer a living issue.

Concerning the present attitude and the future policy of the University in regard to the education of women at Wesleyan, Acting President Rice has recently made the following statement: "The feeling against coeducation has become so strong in our own constituency, and the general sentiment in educational circles in New England is so decidedly averse to coeducation, that even most of the trustees, instructors, and alumni whose personal opinion is in favor of coeducation have become convinced that a change of policy would be promotive of the interests of the college. While it has been deemed undesirable to continue the policy of coeducation, it is nevertheless the conviction of the majority of the trustees and faculty that the institution should not withdraw the

offer of collegiate education to women which was made in 1872. The trustees accordingly passed a resolution declaring themselves in favor of the policy of the establishment of a coördinate woman's college, and pledging themselves to establish such an institution as soon as the necessary funds could be obtained. A committee was appointed to consider details, especially the question what financial basis would be adequate for the initiation of the plan of a woman's college. It is of course uncertain whether the money for this purpose can be secured; but it is hoped that coeducation will come to an end not by the exclusion of the women, but by the organization of a woman's college, which will afford the opportunity for the education of women in larger numbers and under more favorable conditions than has been possible in the past."

Concerning the proposal to establish a coördinate college for women at Wesleyan, some statement of the need for such an institution will not be out of place. Connecticut, in 1900, had a population of 908,420, and yet the only opportunity within the state for the collegiate education of women was the limited one at Wesleyan. There exists a genuine demand for the establishment of a woman's college within the state. Two women's colleges located just beyond the bounds of the state have at present 81 and 98 students respectively from Connecticut, and so it would seem well within the facts to say that several hundred women from Connecticut are now in college. It is certain, moreover, that a woman's college at Wesleyan would draw from a far wider constituency than the state of Connecticut.

The action of the trustees authorizing the establishment of a Sunday vesper service with addresses by distinguished speakers will furnish a welcome substitute for the present Sunday morning chapel service, and should give the students inspiration and guidance of the most valuable sort in meeting the problems of the religious life in the manner suited to their special needs.

It is gratifying to note that even now many religious privileges are afforded the student who chooses to avail himself of them. In addition to the chapel services and the church services in town, the services of the University Christian Association and the opportunities for active

Christian work on its various committees, the Bible class conducted by Professor Winchester at the Methodist Episcopal church, a similar class led by Professor Bradley at the North Congregational church, and the services of the Epworth League and other young people's societies in the churches in town, are all attended by some students. A considerable number go from town each Sunday to preach in neighboring villages, and several are engaged in Sunday school work. The new required vesper service will be successful in the measure in which it increases the number of students who participate in these voluntary religious acts.

It is fitting that recognition be here given to the able and conscientious administration of Acting President Rice during the past two years. No marked advance in new directions is practicable during an interim administration, but there have been no backward steps, and in several departments there have been changes with a view to increased efficiency. No small part of this gratifying result is due to the efforts of the acting president.

At the close of the present collegiate year the new administration under President-elect Shanklin will begin, though the formal installation and induction into the office of president will be deferred until next October. Doctor Shanklin has most favorably impressed all who have met him, and in his brief visit to the University in February enlisted the hearty support of both students and faculty. It is expected that Doctor Shanklin will be in Middletown during commencement week.

The installation of President-elect Shanklin has been appointed for Friday, October 29. It is needless to say that the presence of as large a number of alumni as possible is desired on that occasion. The details of the program are in the hands of a committee, who have already secured several eminent speakers for the public exercises on that day.

In a letter addressed to Acting President Rice, in February, the presidents of eight colleges and universities in Iowa wrote in terms of highest commendation of President-elect Shanklin. One paragraph of the letter read: "Wesleyan University is certainly to be congratulated

in securing Doctor Shanklin, for it means that the institution is to have aggressive and active leadership. We regret most deeply to lose his most valuable services to education in the state of Iowa, and yet we can not but congratulate him on being called to the head of the oldest and most noted of Methodist educational institutions in this country."

Those who attended the Washington's birthday banquet last winter are confident that the class which will enter next fall will be the largest in the history of the University—a happy augury for the opening of Doctor Shanklin's presidency. Many are very confident that the new administration will see a large increase in the number of students, as well as substantial advances in other lines, but if these expectations are to be realized, there must be a careful canvass of Wesleyan's constituency and consistent work by the friends of Wesleyan.

Statistics given on another page show that the five states, Massachusetts, Connecticut, New York, New Jersey, and Pennsylvania, this year, furnish 245 of the 292 men in the University. The four other New England states send only 20 men; and from outside the nine states which form the immediate constituency of Wesleyan, there come 27 men. Surely Wesleyan alumni in Maine, New Hampshire, Vermont, and Rhode Island will bestir themselves to see that these four states shall immediately make their quota two score. Though there are many young men coming every year to the other New England colleges from both the Middle West and the Pacific Coast, there is now but a single student in Wesleyan from further west than Indiana. Many Wesleyan alumni are scattered in these western states, and they have an excellent opportunity to help Wesleyan by directing students hither.

While it is highly desirable that the number of Wesleyan students should be increased about 100 per cent., and while undergraduates, alumni, and friends of the University are urged to work for this object, it should be borne in mind that Wesleyan University stands for quality rather than quantity. The standards, in requirements for both entrance and graduation, must ever be kept as high as those of the best institutions in the country, and no friend of the University should feel other than proud of Wesleyan for its insistence upon these standards. It is

best not only for the University, but also for the man himself that every student who enters the University should be fully and adequately prepared to meet the tests which are imposed to determine the fitness of prospective students to pursue collegiate work. No growth of Wesleyan University will be healthy and beneficent which does not fully conserve the highest standards of scholarship and the noblest qualities of character.

That the new administration will maintain these standards at Wesleyan was made perfectly clear by the emphasis laid upon the subject by President-elect Shanklin in his greetings to the University during his visit in February when he said:

"The increase will be gladly welcomed, but there will be no sacrifice of our high standards of scholarship. It is men that count, not mere numbers."

Many of the alumni of Wesleyan will be interested to note that in July, Mr. Harlow Raymond, who is now in his eightieth year, will complete forty-five years of active service in charge of the janitorial work of the University. His keen memory for faces and names is frequently remarked with pleasure by the alumnus who returns to visit the University after years of absence. The senior members of the board of trustees, Doctor J. E. King and Judge Reynolds, have served only thirty-seven years, and Acting President Rice, the senior member of the faculty, was appointed forty-two years ago. Though, unlike the trustees and professors, his name has never appeared on the page of the University Catalogue, Mr. Raymond's services to the University have been varied and valuable, and are appreciated by those cognizant of them. A few persons remember that he saved thousands of dollars to the University by supervising the erection of Judd Hall.

Many colleges commemorate the lives and labors of the men who established them by observing founder's day as an annual college holiday. The birthdays of Willbur Fisk and Laban Clark, the two men chiefly responsible for the founding of Wesleyan University, fall within the summer months, and there is no other anniversary falling within the collegiate year which might be observed. Memorial day is already a recognized holiday, and it would not be unfitting that on that date

Wesleyan University should commemorate the services of its founders and benefactors. A brief memorial service in the chapel and the strewing of flowers upon the honored graves on the hill behind the University buildings would impress upon the successive generations of students a deeper appreciation of Wesleyan's history and traditions.

In this connection it may be noted that, while Fisk Hall is a worthy memorial of the first president of the University, there is nothing to commemorate Laban Clark, who was the real founder of the University, and for nearly forty years the president of its board of trustees. Might it not be fitting to replace the meaningless name of South College, which has been in use only since 1871, by the name Clark Hall? There is a fitness in applying his name to the oldest building, and to the hall containing the administrative offices of the University.

The annual meeting of the alumni association at Commencement affords the alumni the only opportunity to unite in discussion and action upon matters of general interest. The time available for this meeting is limited to two hours. It is, therefore, essential to the proper utilization of this opportunity that the executive committee of the association should prepare in advance an order of business to be followed in the meeting. Local alumni associations and individuals are requested to send suggestions of items for discussion or action to the recording secretary of the association, Professor Karl P. Harrington. One of the subjects of interest to every alumnus, which will come up, will be the report of the committee appointed last June to devise a system for annual subscriptions from the alumni, such as is now in operation at some other colleges and universities.

It is important to note that the June entrance examinations this year and hereafter will be held under the auspices of the College Entrance Examination Board, which is responsible both for the form of the examination papers and for the grading of the answers presented by candidates for admission. The September entrance examinations will, on the other hand, be conducted by the University authorities as heretofore. The examinations this year will occur on June 14-19, and September 29-30.

INSTALLATION OF PRESIDENT SHANKLIN

The installation of Doctor Shanklin as president of the University will take place on the forenoon of Friday, October 29. Besides the inaugural address there will be addresses by a number of other college presidents, by ex-President Raymond of Wesleyan University, and by representatives of the faculty, the alumni, and the undergraduates of Wesleyan University. H. C. M. Ingraham, LL. D., president of the board of trustees, will preside. It is expected that a large number of colleges will be represented on the occasion by their presidents or other delegates. The attendance will doubtless include many men distinguished in church and state. A large and enthusiastic attendance of Wesleyan alumni is confidently expected.

After the formal services of installation a luncheon will be held in the gymnasium, in connection with which speeches are expected from a number of distinguished guests.

It is expected that the initiations of the various college societies will be held on the previous evening. These occasions therefore will be practically reunions of the alumni of the respective college societies.

The arrangements for the installation are in charge of a committee including five of the trustees and three members of the faculty, the chairman of the committee being Stephen Henry Olin, LL. D., of New York. Additional details will be announced later.

THE EDUCATION OF WOMEN AT WESLEYAN UNIVERSITY

The present status of the education of women at Wesleyan University dates from June 26, 1900, when the following statement was reported to the board of trustees by a special committee appointed to investigate the question, and was adopted by the board:

"Wesleyan University was founded as a college for men. Since 1872 both sexes have been admitted on equal terms to the advantages of the University. While maintaining standards of admission, educational methods, curriculum, and community life primarily adapted to men, since such facilities may be of peculiar benefit to a limited number of women, the University will admit women in a number limited to those who can be accommodated in the college buildings and in their own homes in Middletown, and the number in the University shall be limited to twenty per cent. of the whole number of students in the preceding year. [Here followed several provisions of a detailed nature.] All matters on which the interest of the University or of women suggest some differentiation are hereby referred to the academic council."

It may be noted that a minority report, presenting a resolution that women students should no longer be admitted to the University, received but a single vote.

Because of its anticipation of the recent action of the trustees, some interest also attaches to a document presented to the trustees in January, 1900, by the Wesleyan Young Alumni Association of New York. The paper was a report prepared by a committee, composed of F. M. Davenport, '89, chairman, F. D. Beattys, '85, C. H. Judd, '94, W. D. Leonard, '78, G. W. Davison, '92, and A. C. Pomeroy, '95, after a careful canvass of the young alumni and a general study of the question. The following paragraph from the report, which was adopted unanimously by the association, gives the substance of their conclusions:

"Your committee recommend, therefore, that for the permanent good of the college and the young women themselves, the trustees be petitioned by the Young Alumni Association of New York for a declaration of policy in line with the findings of this report: the establishment, as soon as possible, of a system of coördinate education, a woman's college organized within the university, where the young women may be afforded equal standards, opportunities, and degrees, but a distinct collegiate and social life. We recognize that the great obstacle at present in the way of such a consummation is the lack of funds. The money may be forthcoming sooner than we know, or it may come late. In either case we recommend that, as a temporary expedient, the board of trustees be petitioned to limit the matriculation of young women to the number now actually in college. If, at the end of seven years, the woman's college has not been established, the committee believe that coeducation at Wesleyan should cease."

The renewed discussion originated in a small group of members of the faculty who were gathered socially in November, 1907, when the talk happened to turn to the question and revealed an unexpected unanimity of feeling in favor of a separate college for women. It was agreed to broach the matter to the acting president, and accordingly the question was raised at a meeting of the academic council on December 3, 1907. The following resolutions were adopted unanimously:

"*Resolved*, That in the opinion of the academic council the early establishment of a woman's college is the wisest solution of the problem of the education of women at Wesleyan.

"*Resolved*, To request the board of trustees to appoint a committee of their number to confer with a committee of the academic council in regard to the feasibility and details of this plan."

These resolutions were accompanied by the following informal document signed by twenty members of the faculty:

"In view of the resolutions favoring the establishment of a woman's college at Wesleyan University, unanimously adopted by the academic council on December 3, 1907, and presented herewith to your honorable body, the undersigned members of the faculty offer, if they shall still be in the service of the University, to give, for the first year after its establishment, if established by October 1, 1909, without compensation, instruction in their several departments, in this woman's college, to an amount of not less than two nor more than four hours per week each."

At the meeting of the board of trustees on December 6, 1907, these resolutions and the memorandum were presented, and "such a committee was ordered without prejudice to the merits of the case." Further, "it was ordered that the said committee consider not only the feasibility but also the desirability of the establishment of such a college." J. E. Andrus, J. M. Buckley, D. G. Downey, W. V. Kelley, and W. U. Pearne were appointed to the committee, and the president of the board was given power to fill vacancies.

On December 17, the academic council elected as its committee Acting President Rice and Professors Winchester, Harrington, Bradley, and Fife. This committee made full investigation concerning affiliated woman's colleges and concerning the practicability at Wesleyan of such a plan in matter both of curriculum and of expense. Two sessions of the joint committee were held, at which the faculty committee presented the results of its investigations and outlined certain tentative plans which were discussed.

At the meeting of the board of trustees on June 22-23, 1908, W. U. Pearne, as chairman of the joint committee, presented a report of progress, which was accepted and the committee continued. Later in the meeting Charles Scott introduced the following resolutions:

"Resolved, That after the opening of the college year 1909-1910 no women be admitted to Wesleyan University, but nothing in this action is to be construed as in any way interfering with the rights and privileges of the women who may be students in the college at the opening of the college year 1909-1910.

"Resolved, That it is desirable to establish a coördinate college for women, and that we pledge ourselves to establish such an institution so soon as the necessary funds are available."

The resolutions were separated and the first was referred directly to the mid-year meeting of the board of trustees for final action, due notice of the proposed action to be sent to all the trustees. The second was

referred to the committee already constituted on a separate college for women. On further motion, the finance committee was instructed to examine into the question of the relation of the trust funds to the subject of coeducation and report their findings to the mid-year meeting of the board.

On November 11, 1908, the academic council adopted the following resolution presented by their committee:

"Resolved, That we reaffirm the conviction expressed in our resolution of December 3, 1907, that the best solution of the problems relating to the education of women in Wesleyan University is to be found by abandoning the scheme of coeducation, and by substituting at once therefor the organization of a woman's college."

This resolution was presented at the meeting of the board of trustees on November 13, but no action was taken.

At the mid-year meeting of the board of trustees on February 26, 1909, the following report from the finance committee was adopted: "It is the unanimous opinion of the finance committee that no trust attaches to any property held by Wesleyan University, except possibly a bequest of \$2,000 by Mrs. Helen Ackley, which would be violated by the termination of coeducation at Wesleyan."

Mr. Scott's first resolution was then taken up, amended, and adopted in the following form: *"Resolved*, That no woman be admitted to Wesleyan University in any class later than that entering in 1909, but nothing in this action shall be construed as in any way interfering with the rights and privileges of any woman who may be or become a member of that or of any previous class."

The following recommendation of the committee on a coördinate college for women was adopted: "The committee on the establishment of a separate college for women recommend that such a college be established by this board as soon as the necessary funds are provided, and that the matter of details, including the consideration of the amount of money necessary to such establishment, be referred to a special committee to report at the annual meeting in June."

The chair was authorized to appoint a committee of not less than seven on the subject of a coördinate college for women, said committee to have power to fill vacancies. It was also voted that the faculty have authority to appoint a committee of five from among their own number to coöperate with the committee appointed by the board. The joint committee thus appointed is as follows: from the board of trustees, J. M. Buckley, E. M. Mills, C. D. Burdick, S. W. Bowne, Darius Baker, J. E. Leaycraft, W. U. Pearne; from the faculty, Professors Rice, Winchester, Harrington, Nicolson, and Bradley.

THE REQUIREMENT OF CHURCH ATTENDANCE

The regulations concerning chapel and church attendance have been altered a number of times during the history of the University. The present arrangement dates from 1904. For some years previous to that time there had been required, in addition to attendance upon the University chapel service every morning, attendance upon some regular church service in Middletown on Sunday morning. In 1903, partly because of the difficulty of securing its proper enforcement, the faculty voted to request the board of trustees to drop the requirement of church attendance. The trustees postponed action until June 28, 1904, when it was voted that "only attendance at one religious service should be required on Sunday, and that it be left to the faculty to determine what that service should be." On July 7, the faculty voted that the required service should be the usual daily morning chapel service, which is held at 9 o'clock on Sunday morning and lasts from twelve to fifteen minutes, thus dropping the requirement of attendance at Sunday morning service in town.

On December 19, 1907, a committee of the faculty was appointed to consider the requirement of attendance at service on Sunday. A plan for a Sunday vesper service as a substitute for the Sunday morning chapel service was reported to the faculty, but the whole question was tabled on February 12, 1908.

At the special meeting of the board of trustees on April 9, 1908, W. V. Kelley brought up the question of restoring the requirement of church attendance, saying that a considerable number of the students did not attend church on Sunday. It was voted that a committee of five be appointed to report at the annual meeting.

At the annual meeting in June, W. V. Kelley, as chairman of the special committee, reported in favor of a rule reviving the requirement of church attendance. After some debate the question was referred back to committee and made a special order for the mid-year meeting of the board.

At the opening of the present college year, the cabinet of the University Christian Association and the college senate expressed to the faculty their desire for a Sunday vesper service as a substitute for Sunday morning chapel. On September 29, the faculty directed its special committee of the previous year to take up the question again. No action was taken by the faculty, but the debates resulted in certain expressions of opinion on the various phases of the question, which, together with the request of the undergraduates, were communicated to the special committee of the trustees.

In practical accord with these expressions of student sentiment and faculty opinion, the special committee reported to the board of trustees on February 26, 1909, in favor of substituting a vesper service on Sunday afternoon for the present requirement of Sunday morning chapel. This report was adopted, and, beginning in October, a service will be conducted by the University on Sunday afternoon, at which attendance will be required. This service will be practically the present form of chapel service with the addition of a brief address or sermon. It is expected that speakers from out of town will usually be secured. The trustees desire that this service should supplement but not supplant the voluntary attendance of the students at the regular morning church services in town.

TRUSTEE MEETING

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on Friday, February 26, 1909, with President H. C. M. Ingraham in the chair.

A telegram was received from President-elect Shanklin and read to the board, and President Ingraham was delegated to make a fitting response.

The treasurer presented a printed report showing the financial condition of the University, which was received and placed on file, and the thanks of the board were extended to the treasurer for the completeness of the report.

Professor Conn was elected a member of the board of control of the Connecticut Agricultural Experiment Station for a term of three years, beginning July, 1909.

It was voted to appoint a committee of seven, four from the trustees, three from the faculty, to have charge of the details pertaining to the installation of the new president. The committee has been appointed as follows: from the trustees, S. H. Olin, G. S. Coleman, F. M. North, A. W. Hazen; from the faculty, Professors Rice, Winchester, and Crawford.

The following recommendations from the committee on the change in time of the college year were adopted: "I. That the time of the college year be changed by fixing both the beginning of the fall term of the college year and the commencement day one week earlier than is provided in the present schedule. II. That the date of commencement be fixed for the Wednesday preceding the last Wednesday in June, the length of the vacation period remaining unchanged. III. That the proposed rearrangement go into effect with the beginning of the fall term of 1910."

W. I. Haven for the committee on the matter of church attendance reported the following recommendations, which were adopted: "First: that the Sunday morning chapel be dispensed with. Second: that a service be held under the direction of the college on Sunday afternoon, and that students be required to attend. Third: that students also be recommended to attend some of the churches of the town at the hour of morning service. Fourth: that, according to present usage, each member of the freshman class, at the time of entrance to college, be asked to express his church preference, and that lists of these preferences be furnished to the pastors of the various churches in Middletown."

The action concerning the education of women at Wesleyan is reported in a separate article.

A special meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on Wednesday, May 26, 1909, with President H. C. M. Ingraham in the chair.

The following appointments for one year were made to the board of instruction:

- J. W. Wetzel, Ph. B., Instructor in Public Speaking.
- L. A. Howland, Ph. D., Associate Professor of Mathematics.
- B. H. Camp, M. A., Associate Professor of Mathematics.
- J. W. Turrentine, Ph. D., Instructor in Chemistry.
- R. R. Renshaw, Ph. D., Instructor in Chemistry.
- L. B. Gillet, B. A., Instructor in English.
- D. D. Whitney, M. A., Instructor in Biology.
- Paul Curts, B. A., Instructor in German.
- A. C. Stevens, M. E., Instructor in Descriptive Geometry, and Assistant in Physics.
- O. F. Hedenburg, Assistant in Chemistry.
- H. A. Wooster, Assistant in Psychology.
- C. L. Brightman, Assistant in Physics.
- Miss M. M. Van Benschoten, B. A., Assistant Librarian.
- Miss Julia Brazos, Ph. B., Dean of Women.
- H. R. Reiter, M. A., was appointed Director of the Gymnasium, with indefinite tenure.

It was voted that the recent action providing for the termination of coeducation shall not apply to graduate students.

RECENT GIFTS

Since the publication of the December *Bulletin*, additional payments of \$162 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund

have been made amounting to \$2,970.93, including \$500 from H. C. M. Ingraham, '64.

Securities valued at \$12,434 have been received from Miss Elizabeth J. Mead of Stamford, Connecticut. Of this sum, \$434 has been credited to the general endowment fund; and \$12,000 is to be held as an annuity fund until the death of Miss Mead, when \$10,000 is to be added to the endowment of the Benjamin L. Waite Professorship of the English Bible, and \$2,000 is to be used for the endowment of the Reverend Nathaniel Mead Scholarship.

For tuition \$25 has been received from D. G. Downey, '84, \$250 from A. J. Holden, '92, and \$300 from W. E. Walker. R. H. Jones, '01, has given \$108.71 to the library, and \$385.10 has been paid in for the Atwater library. J. C. Graham, '90, has given \$50 for the department of biology; H. S. White, '82, and B. M. Gallien, '82, have each given \$10 for the department of mathematics, and S. H. Olin, '66, has given \$40 for the museum.

Only gifts of money are reported under this caption. Other important gifts are acknowledged under the headings of Department Notes, Library, and Museum.

LIBRARY

Since the report published in the *Bulletin* for May, 1908, the endowment of the library has been increased by the transfer from income of \$617.52. The total endowment is \$87,905.34.

The number of volumes accessioned from May 1, 1908 to April 30, 1909, was 2,385. They were obtained as follows: by purchase, 681; by binding periodicals, 417; by exchange, 9; by gift, 1,278; deducting 22 volumes, exchanged or lost, there remains a net addition of 2,363 volumes. The total number of volumes in the library at the present time is 81,000.

Among the more important accessions of the year are the following: *Notes and Queries*, 1892-1906; Physical Society of London, Proceedings and other publications, 1876-1907; *Archiv für lateinische Lexikographie und Grammatik*, vols. 1-14; National Cyclopædia of American Biography; W. S. Landor's works, edited by Crump; the complete works of Anzengruber, Brentano, Fontane, Heinse, Mörike, Raimund, and Wagner; and considerable selections from the works of Bourget, Daudet, and Anatole France.

From May 1, 1908 to April 30, 1909, 6,316 books and periodicals were drawn from the library for home use. In addition, 612 volumes were withdrawn from general circulation and reserved for special use either

in the library or in seminary rooms. The current numbers of 60 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

There were presented to the library from May 1, 1908 to April 30, 1909, 1,192 bound volumes, 5,537 pamphlets and numbers of periodicals, 14 maps, and 22 photographs. Among the donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut, Maine, New York, and Washington, the Carnegie Institution of Washington, the Connecticut State Board of Education, the Field Museum of Natural History, the Pennsylvania Steel Company, the Geological Survey of Canada, the Hartford Bar Library, the Litchfield County University Club, and the following individuals: Professor A. C. Armstrong, Mrs. W. O. Atwater, Bishop J. W. Bashford, Reverend J. C. W. Coxe, '63, Professor M. B. Crawford, '74, Reverend T. R. Crooks, '89, G. S. Godard, '92, L. R. Hazen, A. T. Leshner, Professor W. E. Mead, '81, Mrs. E. B. Monroe, Professor B. P. Raymond, G. L. Raymond, Honorable R. F. Raymond, ex-'81, B. A. Rich, '78, J. F. Searles, '96, W. C. Sharpe, Honorable N. D. Sperry, F. P. Stearns, Miss M. M. Van Benschoten, '04, Professor J. M. Van Vleck, '50.

During the year three gifts of money were received for the purchase of books: one of \$10 from Miss Nettie L. Whitney, ex-'90, was spent in the purchase of a reference book; one of \$108.71 from R. H. Jones, '01, was applied toward paying for the *Commentaria in Aristotelem Græca*; and one of \$50 from J. C. Graham, '90, is to be used in buying books in English literature.

J. F. Searles, '96, has given an interesting Bible to the library. It contains the following inscription: "This Bible was used in Epworth church by the Rev^d. Samuel Wesley father to the great & good John Wesley during the term of his incumbency. It was presented to me by Mr. Sharpe as a most valuable relic of the Wesley family on my visit to Epworth in the month of Oct^r., eighteen hundred & thirty four, & its identity was most clearly attested by unquestionable testimony. R. Aitken. Egretton. 28th Oct^r., 1834." R. Aitken was probably the popular preacher, Robert Aitken (1800-1873), who was in sympathy with the Wesleyan Church.

To facilitate the use of the portion of the Van Benschoten library shelved in the classical seminary an author catalogue has been made on small cards. When these books have been fully catalogued the small cards will be arranged to form a shelf-list. The remainder of the Van Benschoten books has been classified and catalogued and will be shelved during the summer.

MUSEUM

In former numbers of the *Bulletin* mention has been made of the gift of a valuable collection of coins and historical medals by S. H. Olin, LL.D., '66. The museum has just received from Doctor Olin a collection of sixty medals, struck at the United States mint, commemorating the series of presidents of the United States and various interesting events in United States history. With this accession the total number of specimens in the Olin collection is more than six hundred and fifty.

A valuable collection of Greek and Roman coins, numbering about eighty specimens, gathered by the late Professor Van Benschoten and presented to the University by Mrs. Van Benschoten, has just been placed on exhibition.

A very interesting human skull, with a good many of the other bones of the skeleton and a number of fragments of pottery and stone implements, has been received from Porto Rico. The skull is peculiar in form, the extreme lowness of the forehead resembling the Neanderthal skull and other similar fossil skulls. The skull, however, is unquestionably that of an Indian, and its peculiarities are to be considered simply as individual abnormalities. The skull was discovered by R. S. Prescott, and was secured for the museum by request of R. S. Carpenter, '07.

A collection of about twenty specimens of minerals has been obtained in exchange from A. H. Petereit, including a number of rare minerals and exceptionally fine specimens. A fine collection of zeolites and associated minerals from Paterson, New Jersey, has been presented to the museum by David Proskey of Paterson.

The exhibition of local mineralogy in the museum has received two important accessions. One is a group of quartz crystals of great size, obtained from a cavity or pocket in pegmatite at the quarry of F. E. Strickland in Portland. The cavity was five or six feet in diameter, and the largest of the quartz crystals is about eleven inches in diameter. An unusually fine crystal of uraninite was found recently at the same locality, and has been obtained for the museum.

DEPARTMENT NOTES

In the schedules of courses offered by the various departments for the coming year there are a considerable number of changes of some importance. These changes are partly due to the general revision of the course of study made a year ago, the effect of which upon alternating courses does not entirely appear until the second year of the working of the new arrangement. In the department of German, the appointment

of an instructor, Mr. Curts, who will give his service exclusively to that department; in the department of philosophy, the absence of Professor Dodge in Europe; and in the department of chemistry a general remodeling of the course of instruction produce changes. The rotation of alternating courses and other minor readjustments are not noted here, but only those changes which are substantial.

LATIN.—Professor Harrington will next year offer for the first time Course XXI, Latin literature since the Roman Empire, which will consist of lectures introductory to the literature written in the universal language of the ecclesiastical and learned European world from the fifth century to the seventeenth century, and of illustrative readings from some of the most interesting types of prose and poetry, including the novel, the drama, the dialogue, the lyric, and the writings of the Church Fathers.

GERMAN.—Courses I, II, III, IV, VI, VIII, X, XII will be given next year, Courses I, V, VI, VII, and VIII are assigned to Mr. Curts. Course II will be divided into two sections, one for freshmen conducted by Mr. Curts, and one for sophomores conducted by Professor Fife. Course III will be extended from one to two hours a week and made a course in composition as well as conversation. Courses IV, the classical period; VI, the German Novelle; VIII, historical and critical prose; and X and XI, which respectively deal with the history of German literature before 1600 and since 1600, will be increased from two to three hours a week. Mr. Curts will spend the summer in Germany, where he will devote special attention to the preparation of the courses in the German Novelle and in historical and critical prose.

ROMANCE LANGUAGES.—Courses I, II, III, IV, V, VI, VII, IX, and X will be given next year. Course II will twice a week be divided into two sections for work in translation and composition; for the third hour the two sections will meet together for the study of Duval's *Histoire de la Littérature Française*. Course III, conversation, will be given only once a week, and will be conducted by Professor Kuhns, who will give several illustrated lectures in connection with the work.

ENGLISH LITERATURE.—Professor Winchester will give for the second time Course V, New England literature, 1835-85, dealing with Emerson, Longfellow, Lowell, Hawthorne, Whittier, and Holmes. This course will be open to seniors who receive the permission of the instructor.

HISTORY.—The subject of study in the history seminary next year will be the first administration of President Grant.

ECONOMICS AND SOCIAL SCIENCE.—Courses I, III, IV, VII, and VIII will be given next year. The policy of allowing members of classes some choice, within limits, as to the topics to be studied, which has worked satisfactorily this year in connection with Courses II, VI, and VIII, will be continued next year in Courses IV and VIII.

PHILOSOPHY.—Courses I, IA, VII, VIII, IX, X, XI, will be given next year. Owing to the absence of Professor Dodge in Europe, Professor Armstrong will conduct both parts of Course I, and the rest of Professor Dodge's courses will be omitted. As a partial substitute for the course in physiological and experimental psychology, a new course, IA, will be offered by Professor Armstrong and Mr. Wooster, who has been appointed an assistant in the department for next year. This course will consist of readings collateral to Course I, mainly in physiological psychology. In connection with this course the laboratory will be open one hour a week for demonstrations and conferences. The course will count as one hour a week, and will be open to those who are taking Course I. Course XI, philosophy seminary, will meet one hour a week, counting as two hours for the year.

ETHICS AND RELIGION.—Next year Professor Rice will give the course in science and religion, but it is not now possible to make further announcement of courses in this department, as Professor Raymond will be unable to take up the work as planned, and temporary provision must be made.

MATHEMATICS.—Next year Professor Howland will give Courses II; IV; VII; X, former IX; and XII; and Professor Camp will give Courses I, III, V, VI, XVI, and XVII. Courses V and VI were formerly offered together as Course V. Course VII is former Course VI, differential and integral calculus, and it will be supplemented by more advanced work in Course XII, which will be given two hours a week through the year. The former two-hour courses in descriptive and practical astronomy will be given three times a week for a half-year each and will be numbered XVI and XVII.

PHYSICS.—The title of Course X has been changed from the mathematical theory of electricity to advanced electricity in order to cover considerable modifications of the work. In the second half-year, the subjects of electrical oscillations and wireless telegraphy, in which Professor Cady is doing experimental work, will receive special attention. To help Professor Cady in both instruction and investigation in the electrical laboratory, Mr. Charles L. Brightman has been appointed as an additional assistant in the department.

CHEMISTRY.—The following courses will be given next year: Courses I; IIA, qualitative analysis, lectures; IIB, qualitative analysis, laboratory practice; III; IV; V, advanced quantitative analysis; VI; VII; VIII; IX; X, former IXA; XI, former X; XII; XIII; XIV, former XII; XV, former XIII; XVI, former XIV; XVII, former XV. The former three-hour Course III, qualitative analysis, is replaced by Courses IIA and IIB, which together will be given four hours for the first half-year. During the second half-year these will be followed by Course III, elementary quantitative analysis, so that it will be possible henceforth to take the latter work in the sophomore year. Course VII, physical chemistry, and Course VIII, industrial chemistry, will be extended through the whole year. Course XI, two exercises a week, and Course XII, three exercises a week after Easter, replace former Course X, organic chemistry. Course XIII, former XI, will be given for one hour through the year instead of two hours for a half-year. Course XVI, former XIV, will be given for two hours a week instead of one.

The following exhibits have been presented to the department to be used in connection with the courses in industrial chemistry and electrochemistry: soaps, The Larkin Company, Buffalo, New York; artificial and natural silks and other textile products, Badische Compagnie, New York; S. A. Salvage, New York; Cheney Brothers, South Manchester, Connecticut; Russell Manufacturing Company, Middletown; and Gordon Brothers, Hazardville, Connecticut; sugar, National Sugar Refinery, Yonkers, New York; alcohol, process and appliances, The Alcohol Utilities Company, New York; United States Industrial Alcohol Company, Peoria, Illinois; Landers, Frary, and Clark, New Britain, Connecticut; Edward Miller and Company, Meriden, Connecticut; Manning, Bowman, and Company, Meriden, Connecticut; graphite and other electric furnace products, International Acheson Graphite Company, Niagara Falls, New York; rare metals and alloys, Goldschmidt Thermite Company, New York.

The department has recently purchased a Thompson reflectoscope, which can be used for the projection not only of lantern slides, but also of illustrations in books, and of other opaque objects.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The past year has seen an increased interest in almost all phases of the work of the Christian Association in the University. The Sunday morning meetings have shown a considerable growth in both numbers

and spirit over those of last year. Owing to careful plans made during the summer an unusual number of able speakers from out of town was secured. Several members of the faculty have also helped to make these meetings more effective.

The neighborhood work committee, which has been more than usually efficient, has held regular weekly meetings at Newfield and Long Hill besides assisting greatly in the conduct of the Pacousett Sunday school in Portland and of the Italian mission in Middletown. The number of students who have taken active part in the work of this committee has been large, but it is felt that these opportunities for service ought to be the means of bringing to many more students the realization of the importance and value of active Christian work.

The Bible study groups have grown in a very gratifying manner, and the results of the work are already becoming apparent. The normal class for the leaders of these groups has again been under the efficient leadership of Professor Hewitt.

The committee on missions has been unusually successful this year, but the need is obvious of a vigorous effort next year for the further development of the mission study classes. During the past year this committee has conducted a mission study class in South Farms.

Plans are being made to send a large delegation to the student conference at Northfield in July, in order that there may be a group of men who have received special preparation and inspiration to lead in the work next year.

The officers for 1909-10 are: *President*, P. G. Dennis, '10; *Vice-President*, J. R. Simmons, '11; *Treasurer*, A. D. Moore, '10; *Corresponding Secretary*, R. S. Thompson, '11; *Recording Secretary*, L. E. Rothrock, '12.

DEBATE

In the debates of the triangular league held on December 18, 1908, the teams of Amherst, Williams, and Wesleyan each won on the affirmative side of the question: "*Resolved*, That all railroads engaged in interstate commerce should be operated by companies incorporated by the federal government; the constitutionality of the question being waived." Brengle, '10, Hancock, '09, and Vanderbilt, '10, alternate, upheld the affirmative against Amherst at Middletown; and Barbour, '09, Roberts, '10, and Barker, '09, alternate, defended the negative against Williams at Williamstown.

The Wesleyan team, composed of Barker, Brengle, and Hancock, took the affirmative of the question, "*Resolved*, That the naval policy

of President Roosevelt should be adopted by the country," and were awarded a unanimous decision over the Bowdoin team at Middletown on March 19, 1909.

In the interclass debates for the Scott cup the freshman (1912) team, composed of H. D. Jones and Williams, successfully upheld the affirmative of the Bowdoin debate question against the sophomores.

The debating society has been reorganized as the debate council and a constitution has been adopted for the council under which all debate matters will be managed in the future. For the coming year the officers will be Brengle, president, and Vanderbilt, manager.

The Briggs Prize debate occurred in Memorial Chapel on May 27, on the question: "*Resolved*, That, in the United States, nominations for minor elective offices should be by the method of the primary." The contestants were Barker, '09, Brengle, '10, Hancock, '09, and Vanderbilt, '10. The judges, Honorable David Ward Northrop, B. A., LL. B., '68, Reverend Charles Wesley Flint, M. A., and Mr. James Charles Fox, B. A., awarded the prize to George Swift Brengle, Amenia Union, New York.

UNIVERSITY NOTES

ANDRUS FIELD.—The local executive committee of the trustees at their April meeting appropriated two hundred and fifty dollars toward certain improvements which are to be made on Andrus Field, the balance of the expense to be borne by the athletic council. Heretofore match games of baseball and football have been played on the same field, and it has been found almost impossible to keep the diamond in proper condition for baseball and properly grassed for football. The football gridiron is now to be laid out on the east side of the field, reserving the present field for baseball. It will be necessary to remove a part of the bank near Observatory Hall, and to raise and drain the northeast part of the field. Movable bleachers will be provided for football games. The baseball diamond will be raised and sodded, thus securing a first-class baseball diamond even under adverse weather conditions.

In the past few years a number of questions have arisen as to how far the University authorities should assume responsibility for the control and care of Andrus Field and the various improvements on it. After several conferences during the winter term, Acting President Rice and the local executive committee of the trustees, for the University, and the representatives of the athletic council agreed upon a set of rules, which have been published, and which, it is hoped, will secure proper control and care of the field and athletic properties. According to the

agreement, the field and track may be used by outside teams only by permission of the president after consultation, whenever possible, with some representative of the athletic council, and any money received for the use of the field by outside parties is to be turned over to the council. The University agrees to maintain the grand stand, fences, and walks; the council is to keep in proper condition the bleachers, running track, diamond, and football field.

ENTRANCE REQUIREMENTS IN LATIN.—For two or three years, the question of uniform college entrance requirements has been persistently agitated in various educational associations. In Latin, especially, several vexatious minor differences in the requirements have been perpetuated to the disadvantage of the preparatory schools. In order to remedy this condition, it was proposed by Professor Harrington at meetings of the Connecticut and of the Western Massachusetts sections of the New England Classical Association to recommend to all New England colleges that the entrance requirements should specify no reading from Latin authors, except four books of Cæsar, or their equivalent, six orations of Cicero, and six books of Vergil's *Aeneid*, the order in which they should be read being left to the schools to determine. The recommendation having been duly made by these associations, Wesleyan University has brought her own requirements into conformity with the proposed plan by omitting the alternative requirement of either one thousand lines of Ovid or the *Eclogues* of Vergil.

JUNIOR EXHIBITION.—The annual prize contest in oratory for members of the junior class was held in Memorial Chapel, Thursday evening, April 29, 1909. Eight speakers participated in the contest. The committee of award consisted of Honorable Frank David Haines, LL. B., of Middletown; Mr. Heman Charles Whittlesey, B. A., of Middletown; and Professor Dodge. To Walter Henry Brown, of Bridgeport, Connecticut, was awarded the first prize for an oration on Booker T'aliaferro Washington, Creditor; and the second prize to Walter Parks Bliss, of Montclair, New Jersey, who spoke on Tuberculosis and the Foreigner.

WEEKLY BULLETIN.—At the end of January, the University began the regular issue of a Weekly Bulletin, such as is now published by many of the colleges. It is a broadside, measuring about twelve by eighteen inches, and is published every Saturday to furnish a calendar of occurrences for the ensuing week.

GYMNASIUM EXHIBITION.—The annual gymnasium exhibition was conducted by Mr. Reiter on March 31, 1909, with Doctor Horace Cheney Swan of Trinity College, Professor Nicolson, and Professor Fife as

judges. The class of 1910 was awarded the cup presented by Mr. Reiter for the class winning the interclass basketball championship. The Olin cup for the best class squad drill was awarded for the second time to the class of 1911, and the Wallace cup was again awarded to F. L. Soule, '11, as the best gymnast. Additional cups were awarded for first, second, and third places in gymnastics to F. L. Soule, '11, Stilwell, '11, and G. B. Soule, '09. Libby, '12, won the light-weight wrestling contest, and the middle-weight contest was a draw between Panunzio, '11, and Simmons, '11.

ATHLETIC COUNCIL.—During the year, the athletic council has taken under its control the basketball association. Heretofore, basketball has been regarded as a minor sport and conducted under the management of the college body. This is an important step in the coördination of the control of athletic sports in the University.

DEATH OF WILLIAM CONNELL.—Honorable William Connell, who has been a member of the board of trustees since 1888, died in Scranton, Pennsylvania, on March 21, 1909, aged eighty-one years.

FACULTY NOTES

PRESIDENTIAL ACTIVITIES.—Acting President Rice and President-elect Shanklin were present at the inauguration of E. A. Noble, '91, as president of the Woman's College of Baltimore on February 2, 1909. Both also attended the meeting of the Association of Methodist College Presidents in Chicago on January 13-14.

President-elect Shanklin paid his first visit to Middletown on February 10-14, and was the guest of Acting President Rice. At the regular chapel exercises on the morning of the 11th, Thursday, he made a brief address of greeting to the students and the faculty which was enthusiastically received. On Thursday evening Acting President Rice entertained the members of the faculty and their wives in honor of Doctor Shanklin. On Saturday evening Doctor Shanklin was present and spoke at an informal gathering of the students in the Psi Upsilon house. On Sunday he attended the Lincoln memorial service in the Chapel. During his stay in Middletown he visited all departments of the University, and the various fraternity houses, in order to acquaint himself thoroughly with the University. Doctor Shanklin won for himself the enthusiastic support of all who came in contact with him. The only gathering of Wesleyan alumni which Doctor Shanklin has been able to attend this year was the Chicago dinner on March 26, at which he gave convincing evidence that he would be heart and soul a Wesleyan man.

PROFESSOR RAYMOND.—The many friends of ex-President Raymond will be sorry to learn that his year of rest has resulted in no considerable improvement in his health, and that he finds it impossible to take up the work of teaching next year as had been planned. During the past year he has spent most of the time in a sanitarium at Clifton Springs, New York, and at the home of his daughter near Ellenville, New York. For next year, he intends to occupy the residence of Professor Dodge, who will be in Europe.

PROFESSOR NICOLSON.—Professor Nicolson attended meetings of the College Entrance Examination Board, in New York City, on November 7, 1908 and April 17, 1909, as the representative of Wesleyan University on the Board. On January 2, 1909, he represented the University at the annual meeting of the Intercollegiate Athletic Association of the United States, in New York City, and was elected secretary-treasurer. On April 12, 1909, he attended a meeting of the executive committee of the New England College Entrance Certificate Board in Boston; and on May 14, 1909, was present in Boston at the annual meeting of the Board. Professor Nicolson and S. V. Coffin, '89, were the representatives of the athletic council of Wesleyan University at the annual meeting of the Association of New England Colleges for Conference on Athletics, in Boston, on May 14-15, 1909. Professor Nicolson was reëlected president of the Association. He was present at the annual meeting of the Association of Administrative Officers in New England Colleges, at Yale University, on May 25-26, 1909.

PROFESSOR BRADLEY.—Under the title, *Weitere Versuche an Luftverflüssigungs-Anlagen*, the numbers for January and February, 1909, of the *Zeitschrift für komprimierte und flüssige Gase* of Hanover, Germany, published an extended account of Professor Bradley's investigations in liquid air, with long passages translated from the reports of his work which Professor Bradley has published.

PROFESSOR DODGE.—Professor Dodge presented a paper at the meeting of the Experimental Psychologists at Princeton, New Jersey, on April 9. Professor Dodge has been granted leave of absence for the collegiate year 1909-10, and, after conducting courses in psychology at the summer school of Columbia University, he will sail for Europe about the middle of August. His plans for study and investigation will take him principally to Germany and France.

PROFESSOR FIFE.—At its meeting in May, 1908, the New England Modern Language Association appointed a committee, with Professor Fife as chairman, to investigate the conditions in modern language

instruction in the schools of New England. At the meeting of the Association in Boston, on May 8, 1909, Professor Fife, on behalf of the committee, presented a report, containing seven recommendations to the colleges, and eleven recommendations to the schools for the improvement of the teaching of French and German in preparation for college. Some reforms of a radical character are suggested. The report was accepted, ordered printed in full for general distribution to the schools and colleges of New England for further study and criticism, and made the order of business for the meeting a year hence. It is hoped that the report will receive general approval and adoption, and that it will result in a decided improvement in the quality of preparatory school work in the modern languages. Professor Fife also attended and addressed group meetings of this Association in Providence on February 27, and in Springfield on March 13.

BALTIMORE MEETING, AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE.—Acting President Rice, Professors Crawford, Conn, and Dodge, Doctors Renshaw and Turrentine, and Mr. Whitney attended the sessions of the American Association for the Advancement of Science in Baltimore during the Christmas holidays. Acting President Rice, Professor Dodge, and Doctor Turrentine were among those who presented papers.

MEETINGS ATTENDED.—Professor Winchester attended meetings of the New England Conference of College Teachers of English in Cambridge, Massachusetts, on January 15 and on May 22. On February 22, he attended the meeting of the National Conference on College Entrance Requirements in English in New York. Professor Winchester is president of the former and vice-president of the latter conference.

Professors Winchester and Mead attended the meetings of the Modern Language Association of America and of the American Dialect Society at Princeton, during the Christmas holidays. At the same time, Professor Harrington was in attendance at Toronto, Canada, upon the sessions of the American Philological Association and the Archaeological Institute of America, of which he is a councillor. Professor Harrington has also taken part in meetings of the Western Massachusetts Section of the Classical Association of New England, at South Hadley, Massachusetts, on December 12, 1908, and of the Connecticut Association of Classical and High School Teachers, at New Haven, on February 27, 1909. Professor Heidel read a paper before the New England Classical Association, at Cambridge, Massachusetts, on April 2, and was present at the meeting of the managing committee of the American School of Classical Studies at Athens, held in New York on May 6-7.

Mr. James attended the joint meeting of the Pennsylvania and New Jersey Library Clubs on March 19-20, at Atlantic City, New Jersey. Mr. James, Miss Van Benschoten, and Miss Richardson were present at the meeting of the Connecticut Library Association in New Haven, on February 3. During the Christmas holidays Professor Dutcher was in Washington, and in Richmond, Virginia, attending the meetings of the American Historical Association and the American Political Science Association. Professor Dutcher also attended the meeting of the New England History Teachers' Association in Boston, on April 18.

Professor Cady read a paper before the American Physical Society in New York, on February 27; and Doctor Turrentine presented two papers before the New York Section of the American Electrochemical Society in the same city, on April 2.

ALUMNI NOTES

NEW ALUMNI ASSOCIATIONS.—The formal organization of the Wesleyan alumni in Rhode Island was effected at a meeting held in Providence, on April 30, 1909. G. W. Gardiner, '89, was elected president, and E. L. Legg, '07, secretary.

The proposed organization of an association of the Wesleyan alumni of Hartford and vicinity was carried out at a dinner held at the Hartford Golf Club, on March 19, 1909. About fifty alumni and several members of the faculty were present. L. E. Gordon, '94, was chosen president, and J. A. Decker, '01, secretary.

WHO'S WHO IN NEW ENGLAND.—The first edition of Who's Who in New England, which has recently been published by A. N. Marquis and Company, of Chicago, contains brief biographical sketches of about 10,000 prominent New Englanders. There are included 162 men of Wesleyan connection: 22 members of the faculty, 7 former members of the faculty, 4 trustees, 14 honorary alumni, 14 non-graduates, and 101 graduates. Of these, 33 per cent. are educators, 28 per cent. ministers, 17 per cent. lawyers, 5 per cent. journalists, 5 per cent. manufacturers, 4 per cent. in mercantile pursuits.

WESLEYAN AUTHORS.—Among the notable books recently published by Wesleyan alumni, other than those on the faculty, are: *Life of John Keats* by Professor A. E. Hancock, '91; *Life of Thomas Bailey Aldrich* by Ferris Greenslet, '97; *Qualitative Analysis* by Professor O. F. Tower, '92; *The Gleam o' Dawn*, and *The Lady Without Jewels* by A. F. Goodrich, '99; and *Reminiscences of Fifty Years* by Sylvester Barbour, ex-'56.

GOVERNOR OF ALASKA.—Walter Eli Clark, '95, who has been engaged in journalistic work in Washington, was appointed Governor of Alaska by President Taft on May 18, 1909.

UNDERGRADUATE NOTES

GEOGRAPHICAL DISTRIBUTION OF STUDENTS.—The annual Catalogue for 1908-9 contains the names of 292 men registered from the following states: Connecticut 71 (11 from Middletown), New York 71 (31 from Greater New York), New Jersey, 40, Massachusetts 34 (3 from Boston), Pennsylvania 29 (3 from Philadelphia), Maine 14, District of Columbia 5, Vermont 4, Ohio 3, West Virginia 3, New Hampshire 2, Maryland 2, Indiana 2, Tennessee 2, Canada 2, others 8; or to summarize, New England 125, Middle States 140, others 27. Last year the figures were: New England 132, Middle States 133, others 18. Of the 30 women students, 25 are from Connecticut, 13 being from Middletown; 3 from Massachusetts; 2 from New Jersey.

AGES OF STUDENTS.—Professor Nicolson has compiled the figures of the average age of the students now in the University, as follows: seniors 22.2, juniors 21.07, sophomores 19.8, freshmen 19.43.

DRAMATIC CLUB.—The Dramatic Club, organized among the students in 1904, has, for five successive years, presented a light comedy in Middletown. This year at the suggestion of members of the faculty that the production of a play of genuine literary merit would be of more real value to the members of the club, Goldsmith's Good-Natured Man has been presented with notable success in Middletown and under the auspices of the alumni associations in New York and Newark.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

SERMONS, BACCALAUREATE SUNDAY, FIRST METHODIST EPISCOPAL CHURCH:

June 21, 1908.—President Raymond: "Wherefore henceforth know we no man after the flesh: yea, though we have known Christ after the flesh, yet now henceforth know we him no more. Therefore if any man be in Christ, he is a new creature: old things are passed away; behold, all things are become new."
—2 Corinthians 5, 16-17.

Reverend Doctor George Peck Eckman, ex-'84: "Neglect not the gift that is in thee."—1 Timothy 4, 14.

TOASTS, COMMENCEMENT LUNCHEON, FAYERWEATHER GYMNASIUM:

June 23, 1908.—Reverend Doctor Edmund Mead Mills, '72, *Toastmaster*.

President Raymond: Wesleyan University as a Type.

Professor Stockton Axson, '90: Large and Small Colleges in America.

Daniel Leslie Robertson, '78: Playing the Game.

Reverend Doctor Edward Summerfield Ninde, '87: The Spirit of Wesleyan in the Ministry.

James Aylward Develin, '83: The Wesleyan Man as a Citizen.

President Abram Winegardner Harris, '80: Wesleyan's Younger Sisters.

Fred Inness Brown, '98: Young Wesleyan.

SERMONS AND ADDRESSES, MEMORIAL CHAPEL:

December 9, 1908.—Tricentennial of the Birth of John Milton.

Professor Dutcher: Milton's Place in History.

Professor Winchester: Milton's Place in Literature.

January 28, 1909.—Sermon on the Day of Prayer for Colleges. Reverend Bishop William Fraser McDowell: "And he spake many things unto them in parables, saying, Behold, a sower went forth to sow."—Matthew 13, 3.

February 11, 1909.—President-elect William Arnold Shanklin: Greetings to Wesleyan University.

February 14, 1909.—Centennial of the Birth of Abraham Lincoln.

Professor Dutcher: The Statesmanship of Lincoln.

John Tiebout Hancock, '09: Reading of the Gettysburg Address and the Second Inaugural Address.

Acting President Rice: Lincoln as Viewed by his Contemporaries.

Professor Winchester: Reading of Extract from Lowell's Commemoration Ode.

March 16, 1909.—Reverend James Libby Tryon, Assistant Secretary, American Peace Society: The Coming of World Peace.

TOASTS, WASHINGTON'S BIRTHDAY BANQUET, FAYERWEATHER GYMNASIUM:

February 20, 1909.—Professor Edward Lee Thorndike, '95, *Toastmaster*.

Acting President Rice, '65: Wesleyan University.

Professor Charles Hubbard Judd, '94: The College Undergraduate.

Ex-Governor Rollin Simmons Woodruff: The State.

Professor Dodge: The Faculty.

William Day Leonard, '78: The Alumni.

Henry Wolcott Toll, Williams College, '09: Williams.

Roy Bullard Chamberlin, '09: The Undergraduates.
Odell Seymour Smith, '87: The Washington Alumni.
Samuel Fuller Crowell, '02: The Boston Alumni.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY, FISK HALL:

November 5, 1908.—Professor Frederick James Eugene Woodbridge, Columbia University: The Objects of Consciousness.

January 18, 1909.—Professor Charles Hubbard Judd, Yale University: Social Psychology.

April 21, 1909.—Professor Edward Bradford Titchener, Cornell University: The Psychology of Snell.

LECTURES BEFORE THE DEPARTMENT OF HISTORY, FISK HALL:

April 15, 1909.—Professor Herbert Percival Gallinger, Amherst College: Marco Polo and his Book concerning the Kingdoms and Marvels of the East.

April 30, 1909.—Professor Ephraim Emerton, Harvard University: The Erasmus Legend.

May 10, 1909.—Doctor Curtis Howe Walker, Yale University: Insularity as a Factor in the Development of the English People.

LECTURE BEFORE THE DEPARTMENT OF CHEMISTRY, SCOTT LABORATORY:

April 1, 1909.—Professor Wilder Dwight Bancroft, Cornell University: The Reversal of the Photographic Image.

LECTURE BEFORE THE CLASSICAL CLUB, FISK HALL:

(*President*, Carll Whitman Doxsee, '10; *Secretary*, Robert Parsons Bridge, '10.)

April 20, 1909.—Professor Edward Parmelee Morris, Yale University: Cæsar and Cicero, the Verdict of History.

LECTURE BEFORE THE FRENCH CLUB, FISK HALL:

(*President*, Gilbert Haven Bishop, '09; *Secretary*, Robert Parsons Bridge, '10.)

March 28, 1909.—Professor Kuhns: Paris et ses Monuments (illustrated).

LECTURE BEFORE THE MATHEMATICAL CLUB, OBSERVATORY HALL:

(*President*, Frank Alton Shailer, '09; *Secretary*, Elwyn Clark Parlin, '11.)

March 8, 1909.—Professor Howland: German Universities.

May 24, 1909.—Harry Leslie Agard, '04: Historical Sketch of the Parallel Line Axiom.

LECTURES BEFORE THE MIDDLETOWN SCIENTIFIC ASSOCIATION, SCOTT
LABORATORY:

(*President*, Professor Cady; *Secretary*, Mr. James Andrew Newlands.)

June 9, 1908.—Mr. Bowman: An Expedition to Northern Chili and Bolivia.

October 27, 1908.—Professor Conn: The Fight against Tuberculosis.

November 10, 1908.—Doctor Renshaw: Industrial Alcohol.

December 8, 1908.—Professor Gordon Ferrie Hull, Dartmouth College: The Electron Theory of Matter.

January 12, 1909.—Professor Charles Edward Amory Winslow, Massachusetts Institute of Technology: Water Supply and Water Purification.

February 9, 1909.—Acting President Rice: The Centennial of the Birth of Charles Darwin: Darwin's Life and Works.

March 9, 1909.—Professor Cady: Electrical Oscillations.

April 13, 1909.—Professor Arthur Eugene Watson, Brown University: Some Mile-stone Marks in Electrical Engineering.

May 11, 1909.—Professor Dodge: The Nature and Practical Importance of Fatigue.

PAPERS AND TALKS BEFORE THE APOSTLES' CLUB:

(*President*, Professor Harrington; *Secretary*, Professor Hewitt.)

October 8, 1908.—Professor Winchester: The Early English Reviews.

November 13, 1908.—Mr. Super: Spanish Proverbs.

December 11, 1908.—Professor Dutcher: The Sixty Years' Reign of Francis Joseph.

January 8, 1909.—Professors Dodge, Dutcher, Harrington, Mead, and Nicolson: Reports from holiday meetings of learned societies.

February 12, 1909.—Professor Heide! The Conversion of Lucretius.

March 12, 1909.—Professor Dodge: The Nervous Correlate of Consciousness.

April 16, 1909.—Professor Fisher: The Woman's Suffrage Movement.

FACULTY LECTURES AND PUBLICATIONS

ACTING PRESIDENT RICE.—*Lectures*.—The Ethical and Religious Lessons of Science. Mid-year Assembly of the New York East Conference of the Methodist Episcopal Church, Brooklyn, New York, November 9, 1908.

A Danger Resulting from the Popularization of the College. Section I., American Association for the Advancement of Science, Baltimore, Maryland, December 30, 1908. Published in *Science*, v. 29, pp. 372-6, March 5, 1909.

The Return to Faith. Society of Sigma Xi, Yale University, New Haven, February 27, 1909.

Publication.—Third Biennial Report of the Commissioners of the State Geological and Natural History Survey, 1907–1908. Pp. 30. Bulletin 12, Connecticut Geological and Natural History Survey. Hartford, 1908.

PROFESSOR WINCHESTER.—*Lectures.*—Six Plays of Shakespeare (six lectures). Brooklyn Institute of Arts and Sciences, Brooklyn, New York, September 30–November 4, 1908.

The Bible as Literature. Middletown Bible Society, First Methodist Episcopal Church, Middletown, December 6, 1907.

Five lectures, Wells College, Aurora, New York; four lectures, Public School Association, Indianapolis, Indiana; two lectures, Southington, Connecticut; single lectures, Church Club, Brooklyn, New York; Wednesday Club, Newark, New Jersey; Lecture Association, Purdue University, Lafayette, Indiana; New Coffee Club, Williams College, Williamstown, Massachusetts; Springfield, Massachusetts; Bristol, Connecticut; Plainfield, New Jersey; and in several schools.

PROFESSOR CONN.—*Lectures.*—Micro-organisms in the Products of Milk, Pratt Institute, Brooklyn, New York, April 5, 1909.

Rabies. Brooklyn Institute of Arts and Sciences, Brooklyn, New York, April 5, 1909; Connecticut Homeopathic Medical Society, New Haven, May 18, 1909.

Single lectures in several schools.

Publications.—A Preliminary Report on the Algæ of the Fresh Waters of Connecticut (with Lucia Washburn Webster). Pp. 78, with 44 plates. Bulletin 10, Connecticut State Geological and Natural History Survey. Hartford, 1908.

Laboratory of the State Board of Health, Report of the Director. Pp. 110–69, Thirtieth Report of the State Board of Health of the State of Connecticut, for the two years ending September 30, 1908. Hartford, 1909.

Collaborateur, *Revue Générale du Lait*, since 1901.

PROFESSOR ARMSTRONG.—*Lectures.*—The Evolution of Pragmatism. Section 4, Logik und Erkenntnisstheorie, Dritter Internationaler Kongress für Philosophie, Heidelberg, Germany, September 2, 1908. Published in *Journal of Philosophy, Psychology, and Scientific Methods*, v. 5, pp. 645–50, November 19, 1908.

The Religious Philosophy of Rousseau. Philosophical Club, Brown University, Providence, Rhode Island, May 17, 1909.

Publications.—A Neglected Discipline. *Educational Review*, v. 36, pp. 67-78, June, 1908.

The Third International Congress of Philosophy. *Philosophical Review*, v. 18, pp. 48-58, January, 1909.

Review of Rand's Modern Classical Philosophers. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 5, pp. 554-6, September 24, 1908.

Review of Eucken's Geistige Strömungen der Gegenwart, Vierte Auflage. *Philosophical Review*, v. 18, pp. 230-1, March, 1909.

Review of Essays in Honor of William James. *Psychological Bulletin*, v. 6, pp. 171-4, May 15, 1909.

Contributor to Falckenberg's Geschichte der neueren Philosophie, Sechste Auflage. Leipzig, Veit und Compagnie, 1908.

Coöperating editor, *Psychological Review*, since 1904.

PROFESSOR MEAD.—*Publications.*—Italy in English Poetry. *Publications of the Modern Language Association of America*, v. 23, pp. 421-70, September, 1908.

The Aims and Problems of the American Dialect Society. *Dialect Notes*, v. 3, part 4, pp. 331-5, 1908.

Secretary of the American Dialect Society and *ex-officio* editor of *Dialect Notes*, since 1905.

PROFESSOR HARRINGTON.—*Lectures.*—A Roman Country Gentleman of the First Century. Centenary Collegiate Institute, Hackettstown, New Jersey, January 15, 1909; White Fund Lecture Course, Lawrence, Massachusetts, April 22, 1909.

Some Representative Types of Roman Art. Public Library, Boston, Massachusetts, February 11, 1909.

Some Defects in the Teaching of the Classics in Secondary Schools. Connecticut Association of Classical and High School Teachers, New Haven, Connecticut, February 27, 1909.

Single lectures in several schools.

Publications.—A Little Pathfinder to Places of Interest near North Woodstock, New Hampshire. Second edition. Pp. 16. North Woodstock Improvement Association, 1909.

(Editor) Songs of the Psi Upsilon Fraternity, Eleventh Edition. Pp. 282. New York, Executive Council of the Psi Upsilon Fraternity, 1908.

PROFESSOR BRADLEY.—*Lectures.*—Liquid above the Critical Temperature. American Chemical Society, New Haven, June 30, 1908.

The Relation between the Temperature of Kerosene and the Explosion Pressure of the Supernatant Mixture of Vapor and Air. American Chemical Society, New Haven, June 30, 1908.

The Relations between Jesus and John the Baptist: a Handicap to the Young Church. Annual meeting of Haddam Bible Society, Haddam, Connecticut, January 3, 1909; North Congregational Church, Middletown, January 10, 1909; Universalist Church, Middletown, March 7, 1909.

Liquid Air. Westminster School, Simsbury, Connecticut; Boston and Lee, Massachusetts; Bridgeport, Derby, New London, and Windsor Locks, Connecticut.

Publications.—Effect of Mechanical Vibration upon Carbon Dioxide near the Critical Temperature, Part 2 (with A. W. Browne and C. F. Hale). *Physical Review*, v. 26, pp. 470-82, June, 1908.

Liquid above the Critical Temperature (with A. W. Browne and C. F. Hale). *Physical Review*, v. 27, pp. 90-106, August, 1908.

Pure Carbon Dioxide (with C. F. Hale). *Journal of the American Chemical Society*, v. 30, pp. 1090-6, July, 1908.

PROFESSOR KUHN. — *Lectures.* — Methods of Teaching French. Connecticut Group, New England Modern Language Association, Middletown, November 14, 1908.

Giorgio Washington e il suo Paese. Illustrated lecture to the Italians, under the auspices of Wadsworth Chapter, Daughters of the American Revolution. Town Hall, Middletown, February 22, 1909.

The Art of Reading, its Methods, Pleasures, and Ultimate Ideal. Connecticut Library Association, Willimantic, Connecticut, May 26, 1909.

Publications. — Selections from Boileau, Edited with an Introduction and Notes. Pp. viii, 142. Boston, D. C. Heath and Company, 1908.

The Sense of the Infinite: a Study of the Transcendental Element in Literature, Life, and Religion. Pp. vi, 265. New York, Henry Holt and Company, 1908.

A Reading Journey through Switzerland. *Chautauquan*, v. 51, pp. 323-462, August, 1908.

Petrarch—the First Modern Man. *Methodist Review*, v. 91, pp. 386-401, May-June, 1909.

PROFESSOR HEIDEL. — *Lectures.* — Περὶ Φύσεως: a Study of the Conception of Nature among the Pre-Socratic Philosophers. Classical Club, Princeton University, Princeton, New Jersey, December 17, 1908.

The Conversion of Lucretius. New England Classical Association, Boston, Massachusetts, April 2, 1909.

Publications.—Note on Euripides *Alceſtis*, 290 ff. *Classical Philology*, v. 4, pp. 84-5, January, 1909.

Note on Menander *Epitrepontes*, 103 ff. *Berliner Philologische Wochenschrift*, v. 29, pp. 509-10, April 17, 1909.

Review of Hirzel's *Themis, Dike, und Verwandtes*, *American Journal of Philology*, v. 29, pp. 213-23, April-June, 1908.

Review of Shawyer's *Menexenus of Plato*. *Classical Philology*, v. 3, p. 359, July, 1908.

Review of Wood's *Plato's Psychology in its Bearing on the Development of Will*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 5, pp. 471-2, August 13, 1908.

Review of Millerd's *On the Interpretation of Empedocles*, *Grinnell Review*, March, 1909.

Review of Pasquali's *Procli Diadochi in Platonis Cratylum Commentaria*. *Journal of Philosophy, Psychology, and Scientific Methods*, v. 6, p. 194, April 1, 1909.

Review of Gilbert's *Die meteorologischen Theorien des griechischen Altertums*. *Classical Philology*, v. 4, pp. 219-21, April, 1909.

Review of *L'Année Philosophique, 1907*. *Philosophical Review*, v. 18, pp. 350-1, May, 1909.

Associate Editor, *Classical Philology*, since 1906.

PROFESSOR DODGE.—*Lectures*.—Regular and Irregular Astigmatism. Connecticut Optical Society, Hartford, November 6, 1908.

Demonstration of a New Lantern Chronograph. American Psychological Association, Baltimore, Maryland, December 29, 1908.

The Knee-jerk. Meeting of the Experimental Psychologists, Princeton, New Jersey, April 9, 1909.

Publications.—School Artifice and Psychological Principle in Modern Language Instruction. *Publications of the New England Modern Language Association*, v. 1, no. 4, pp. 61-72, Boston, Ginn and Company, 1908.

A Scientific and Practical Subjective Test for Determining the Axis and the Amount of Visual Astigmatism. *Optical Journal*, v. 22, pp. 858-60, November 26, 1908.

An Experimental Study of the Ocular Reactions of the Insane, from Photographic Records (with A. R. Diefendorf). *Brain*, v. 31, pp. 451-89, November, 1908.

An Analysis of the Involuntary Eye Movements in a Case of Congenital, Binocular, Lateral Nystagmus, from Photographic Records (with A. R. Diefendorf). *Archives of Ophthalmology*, v. 38, pp. 1-7, 1909.

Review of Huey's Psychology and Pedagogy of Reading. *Science*, v. 27, pp. 178-9, August 7, 1908.

Coöperating Editor, *Psychological Bulletin*, since 1904.

PROFESSOR CADY.—*Lectures*.—Oscillations in the Metallic Arc. Section B, American Association for the Advancement of Science, Hanover, New Hampshire, June 30, 1908.

Determination of the Frequency of the Glow-Arc Oscillations. American Physical Society, New York, February 27, 1909. Abstract published in *Physical Review*, v. 28, pp. 388-9, May, 1909.

PROFESSOR FIFE.—*Lectures*.—Edgar Allan Poe. Middlesex County Historical Society, Middletown, January 19, 1909.

Heinrich Heines Buch der Lieder. Germanistic Society of America, Columbia University, New York, February 16, 1909.

Afoot in Switzerland and the Tyrol. Kents Hill, Maine, February 18, 1909; Bucksport, Maine, February 19, 1909; Middlefield, Connecticut, March 27, 1909.

Collegiate German. Rhode Island Group, New England Modern Language Association, Providence, Rhode Island, February 27, 1909.

Should the Study of French and German be Undertaken Earlier than in the High School? Western Massachusetts Group, New England Modern Language Association, Springfield, Massachusetts, March 13, 1909.

Report of the Committee on College Entrance Requirements in German and French. New England Modern Language Association, Boston, Massachusetts, May 8, 1909.

MR. SUPER.—*Lecture*.—Spain. Literary Club, Patchogue, New York, February 23, 1909.

PROFESSOR DUTCHER.—*Lecture*.—The Present Discontent in India and its Causes. Clark College, Worcester, Massachusetts, March 26, 1909.

Publications.—France in North Africa, IV, Pacification of Algeria, the Regency of Tunis, Relations with Morocco. *South Atlantic Quarterly*, v. 7, pp. 261-73, July, 1908.

Review of Tournoux's Duveyrier's Anecdotes Historiques. *American Historical Review*, v. 13, pp. 904-5, July, 1908.

Review of Boulay de la Meurthe's Correspondance du Duc d'Enghien, 1801-1804, et Documents sur son Enlèvement et sa Mort, Tome II, Découverte du Complot, La Sentence de Vincennes. *American Historical Review*, v. 13, pp. 905-6, July, 1908.

Review of Ardascheff's *Les Intendants de Province sous Louis XVI*. *American Historical Review*, v. 14, pp. 608-9, April, 1909.

PROFESSOR HEWITT.—*Lectures*.—Some Superstitions, Ancient and Modern. Troy Conference Academy, Poultney, Vermont, February 12, 1909.

The Olympic Games. Genesee Wesleyan Seminary, Lima, New York, February 9, 1909; Cazenovia Seminary, Cazenovia, New York, February 10, 1909.

Publication.—The Propitiation of Zeus. *Harvard Studies in Classical Philology*, v. 19, pp. 61-120. Cambridge, Harvard University, 1908.

PROFESSOR HOWLAND.—*Publication*.—Anwendung binärer Invarianten zur Bestimmung der Wendetangenten einer Kurve dritter Ordnung. Pp. 94. München, Druck der Akademischen Buchdruckerei von F. Straub, 1908.

DOCTOR TURRENTINE.—*Lectures*.—The Perchlorates of Hydrazine (with A. W. Browne). American Chemical Society, New Haven, June 29, 1908.

Electrolytic Reduction of Permanganate Solutions. American Chemical Society, New Haven, June 29, 1908.

On the Electrolytic Oxidation of Hydrazine Sulphate. American Chemical Society, New Haven, June 29, 1908.

A Modified Oxy-hydrogen Gas Coulometer. American Chemical Society, Section C, American Association for the Advancement of Science, Baltimore, Maryland, December 29, 1908; New York Section, American Electrochemical Society, New York, April 2, 1909. Published in *Journal of Physical Chemistry*, v. 13, pp. 349-54, May, 1909.

A New Form of Laboratory Apparatus. New York Section, American Electrochemical Society, New York, April 2, 1909.

Publications.—Reversed Electrolysis. *Journal of Physical Chemistry*, v. 12, pp. 448-67, June, 1908. *Transactions of the American Electrochemical Society*, v. 13, pp. 289-307, 1908.

Review of Meade's Design and Equipment of Small Chemical Laboratories. *Chemical Engineer*, v. 8, pp. 274-6, December, 1908.

DOCTOR RENSHAW.—*Lectures*.—Hydrolytic Dissociation of Nitrobenzene. American Chemical Society, New Haven, July 1, 1908.

Studies on the Action of Heat on Milk (with J. C. Ware). American Chemical Society, New Haven, July 1, 1908.

Publications.—4-Amino-*o*-Phthalic Acid and Some of its Derivatives (with M. T. Bogert). *Journal of the American Chemical Society*, v. 30, pp. 1135-44, July, 1908.

Abstractor, *Chemical Abstracts Published by the American Chemical Society*, since 1907.

MR. WHITNEY.—*Publications.*—Further Studies on the Elimination of the Green Bodies from the Endoderm Cells of *Hydra Viridis*. *Biological Bulletin*, v. 15, pp. 241-6, October, 1908.

Dessication of Rotifers. *American Naturalist*, v. 42, pp. 665-71, October, 1908.

The Effect of a Centrifugal Force upon the Development and Sex of Parthenogenetic Eggs of *Hydatina Senta*. *Journal of Experimental Zoölogy*, v. 6, pp. 125-36, January, 1909.

Observations on the Maturation Stages of the Parthenogenetic and Sexual Eggs of *Hydatina Senta*. *Journal of Experimental Zoölogy*, v. 6, pp. 137-46, January, 1909.

MR. STEVENS.—*Publication.*—Groups of Incandescent Lamps used as Constant Resistors. *Electrical World*, v. 52, pp. 234-5, August 1, 1908.

OBITUARY RECORD

The following deaths among the alumni have been reported since the publication of the last Obituary Record:

CLASS

- 1841 James Nelson Banks, b. 12 May 1817, Veteran, Chemung Co., N. Y.; d. 1907, Chicago, Ill.
- 1844 Russell Zelotes Mason, b. 17 January 1819; d. October 1907, Boulder, Col.
- 1846 John Binney Gould, b. 7 April 1824, Hull, Mass.; d. 29 December 1908, Reading, Mass.
- 1846 William Murphy Ingraham, b. 2 February 1827, Amenia, N. Y.; d. 7 June 1908, Brooklyn, N. Y.
- 1847 James N. Martin, b. 10 October 1823, Augusta, Ont.; d. 18 January 1909, Seattle, Wash.
- 1849 John Wilson Allen, d. 25 February 1906, Malden, Mass.
- 1850 John Bullock Van Petten, b. 19 June 1827, Sterling, N. Y.; d. 31 October 1908, Cazenovia, N. Y.
- 1855 Andrew Merwin, b. 12 May 1836, Brooklyn, N. Y.; d. 27 March 1909, Orange, N. J.
- 1855 Matthew Henry Slee, b. 31 October 1827, Leeds, England; d. 17 April 1909, Auburn, N. Y.

- 1857 Lorenzo Dow Blanchard, b. 18 July 1837, Norwich, Conn.; d. 28 October 1908, Ocean Grove, N. J.
- 1863 Winfield Scott Smyth, b. 21 October 1839, Franklin, Pa.; d. 4 August 1908, Chicago, Ill.
- 1864 Richard Watson Newhall, b. 17 April 1841, Pittsfield, Vt.; d. 23 December 1908, Brooklyn, N. Y.
- 1864 Albert Harmon Wyatt, b. 16 October 1839, Speedsville, N. Y.; d. 29 April 1909, Canaan, Conn.
- 1865 Theodore Charles Beach, b. 21 February 1841, Bristol, Conn.; d. 27 January 1909, Springfield, Mass.
- 1869 Albert Aurelius Tyler, b. 5 July 1832, Haddam, Conn.; d. 23 August 1908, Holyoke, Mass.
- 1870 Howard Augustus McKenny, b. 15 July 1848, Gorham, Me.; d. 2 November 1908, Gorham, Me.
- 1875 Charles Frank Fly, b. 3 July 1850, Westfield, Mass.; d. 14 June 1908, Westfield, Mass.
- 1878 Clarence Everett Bacon, b. 11 November 1856, Middletown, Conn.; d. 27 March 1909, Middletown, Conn.
- 1878 John Pancoast Gordy, b. 21 December 1851, Salisbury, Md.; d. 31 December 1908, New York, N. Y.
- 1881 Elton Sherman Rich, b. 26 September 1854, Cattaraugus, N. Y.; d. 7 October 1908, Kennedy, N. Y.
- 1891 John George Mitchell, b. 6 February 1863, Sligo, Ireland; d. 9 January 1909, Columbia, Conn.
- 1899 Myron John McKowen, b. 3 August 1873, East Machias, Me.; d. 2 May 1908, Brockton, Mass.

Non-Graduates

- 1879 Howard Mudge Newhall, b. 7 May 1854, Lynn, Mass.; d. 25 December 1908, Lynn, Mass.
- 1902 Mary Louise Miles, b. 16 January 1879; d. 19 March 1909, Springfield, Mass.
- 1907 Bayard Howard Veazey, b. 30 August 1884, Winn, Me.; d. 30 May 1908, Washington, D. C.

The University desires to preserve complete and exact records of its former students, and, for the information of the alumni, publishes annually, in the May Bulletin, an Obituary Record. Assistance is asked to secure the correctness and completeness of these records. Such information should be addressed to the Secretary of the Faculty, Professor Frank W. Nicolson.

VOLUME 3

DECEMBER, 1909

NUMBER 3

— THE —

WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



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CALENDAR

1909

Sept. 30	Thursday	9:00 A. M.	College year began.
Nov. 12	Friday		Installation of President Shanklin.
Nov. 24	Wednesday	12:00 M.	Thanksgiving recess began.
Nov. 28	Sunday	4:30 P. M.	Thanksgiving recess ended.
Dec. 22	Wednesday	5:00 P. M.	Christmas recess will begin.

1910

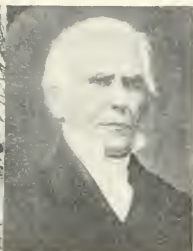
Jan. 6	Thursday	7:50 A. M.	Christmas recess will end.
Jan. 27	Thursday		Day of Prayer for Colleges.
Feb. 8	Tuesday		Mid-year examinations will begin.
Feb. 22	Tuesday		Washington's Birthday.
Feb. 23	Wednesday	7:50 A. M.	Second half-year will begin.
Mar. 10	Thursday	8:00 P. M.	Briggs Prize Debate.
Mar. 22	Tuesday	5:00 P. M.	Easter recess will begin.
Mar. 30	Wednesday	7:50 A. M.	Easter recess will end.
April 14	Thursday	8:00 P. M.	Junior Exhibition.
May 31	Tuesday		Memorial Day,—a holiday.
June 10	Friday		Final examinations will begin.
June 20	Monday	9:30 A. M.	Examinations of College Entrance Examination Board will begin.
June 26	Sunday	10:30 A. M.	Baccalaureate Sermon.
June 29	Wednesday	10:30 A. M.	COMMENCEMENT.
Sept. 21	Wednesday	9:00 A. M.	Examination of candidates for ad- mission will begin.
Sept. 22	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

THE installation of William Arnold Shanklin on November 12th as the ninth President of Wesleyan University was in every particular a remarkable occasion. No event in the history of Wesleyan has attracted so large a number of distinguished men or so great a concourse of strangers from various parts of the country. For the first time in the history of the country the President and the Vice-President of the United States were present together at the installation of a college president. There were present also the Commissioner of Education of the United States, the head of the Carnegie Foundation for the Advancement of Teaching, the presidents and representatives of eighty-one institutions of higher education, senators, governors, judges, bishops and other prominent clergy, and an unprecedented number of alumni. Many thousands of strangers filled the streets. Every part of the ceremony and of the exercises of the day had been so carefully arranged that the entire program was carried through without a break.

This brilliant occasion has attracted toward Wesleyan the attention of many who have hitherto very imperfectly appreciated the unique advantages afforded by Wesleyan. Everywhere is expressed the fullest confidence that under the new administration Wesleyan is entering upon an era of prosperity greater than at any time since the institution was founded.

In so far as President Shanklin has outlined his policy, it may be summed up in a few words: Wesleyan should be made the best college for its size in the country—the foremost in material equipment, endowment, and faculty, and the highest in its standards of scholarship. This ideal requires some definition in order that there may be no misunderstanding. The policy of the new administration is evolutionary rather than revolutionary, and aims to ensure and hasten the progress that has been steadily made at Wesleyan for more than three-quarters of a century.

The ideal college is not that which excels in mere numbers, but that which affords the best facilities for a liberal education to men of exceptional ability and preparation. Such has been the aim of Wesleyan for many years. With comparatively small additional outlay five hundred students can be well taken care of. And five hundred students are as many as can be handled to the best advantage with the present equipment.

It remains now to point out definitely some of the immediate and pressing needs of the institution:

1. It was announced by the president of the board of trustees at the last Commencement that a million dollars must be added to the endowment to enable the University to carry on work already begun, and to initiate the forward movement for a greater Wesleyan. Owing to the increased expense attendant upon the growth of the last two decades, the income has for years fallen below the annual expenditure by amounts ranging from \$7,572.14 to \$18,451.84.* The annual expenditure cannot be curtailed without inevitable loss of efficiency, but the deficit should be met, once for all, by so increasing the endowment that the income shall equal the annual outlay. A beginning has already been made by the subscription of \$50,000 by the Hon. George G. Reynolds, '41, of \$25,000 by Mr. James Noel Brown, and of \$5,000 by the Hon. Watson C. Squire, '59.

2. But it is not enough merely to wipe out the deficit, for Wesleyan is definitely pledged to expansion in various departments, which must be developed according to a symmetrical plan, with additions to the teaching force for handling courses which are so fundamental or essential as to be included in the work of nearly every student. In more than one department the instructors are now burdened with more work than they can carry with justice to themselves or profit to their classes. The recognized policy of Wesleyan requires that the men to be added to the faculty should be scholars of proved ability and experience.

3. For the past ten years, at least, the average salary of Wesleyan professors has proved inadequate to the demands of a professor's

* Details are given on page 19.

position. With few exceptions, salaries stand at the same figure as they did thirty years or more ago, while within the last eight years the cost of living has advanced nearly fifty per cent. The maintenance of the high rank of Wesleyan in the educational world is wholly dependent on the quality of the men in charge of the various departments, but to secure new men of the type that all the traditions of Wesleyan require will be increasingly difficult unless the compensation is such as to compare favorably with that in the institutions from which the teaching force must be largely drawn.

4. A considerable enlargement of the material equipment must be made in the immediate future. At the present rate of growth the library can be housed in the present building for no long time, and even now great inconvenience is experienced. A thoroughly modern library building, with an adequate reading-room, has become generally recognized as a pressing necessity. The library is the real centre of the intellectual life of the University, and it should be provided with all the facilities required to render that life more vigorous and efficient. An adequate building is needed also for the department of chemistry. The laboratory facilities in Judd Hall have long been insufficient, and the investigations necessarily carried on there are a constant menace to the safety of the collections in the museum on the floors above. The withdrawal of the department of chemistry from Judd Hall would permit the departments of geology and biology to occupy the entire building and would relieve for years to come the overcrowding that has long been a hindrance to successful work.

A suitable building is needed to serve as a college union, and as a general meeting place for students, alumni, and faculty. Under present conditions, although there is a remarkable group of attractive fraternity houses, there is no one place recognized as the centre of the college life. The lack of such a building has long been keenly felt, and particularly the lack of an assembly hall for social gatherings and informal addresses. Among the features that might be included in the proposed building are sleeping rooms for graduates at Commencement and at other times when suitable accommodations are difficult to obtain. It might thus, in some measure, serve as a college inn. Here, too, the Young Men's Christian Association, the Glee Club, the offices of the student periodicals and of the various college organizations, could properly find a place. The suggestion has been made that a large swimming-pool might be constructed in the basement. There is no question that a building of this type might be one of the most effectual aids to the promotion of a loyal and united college spirit.

The hopes for a steady increase in the size of the freshman class have again been realized by the admission of a class numbering 122 men—the largest ever admitted to Wesleyan University. This is a gain of twenty-three men over the entering class of a year ago. The total registration this year is 343. The growth indicated by these figures is encouraging, but it is believed that the area from which Wesleyan draws students might be widely extended. There has hitherto been no concerted effort to secure students from the great middle west and from the states beyond the Mississippi, though initial steps in this direction have been taken by the Wesleyan Alumni Association of Chicago. A decided increase in the number of new students from the west appears this year. But there are regions much nearer to Wesleyan which might, with some coöperation on the part of Wesleyan alumni, be made to contribute a regular contingent of new students.

The inevitable shrinkage in numbers as the college course advances requires that the freshman class should have not less than 150 men. There should therefore be an immediate effort to increase by at least twenty-five men the size of the classes that enter for the next four years. Such a growth presents little difficulty if every alumnus and every undergraduate will do his part.

There are now fifteen Wesleyan University alumni associations, only two of which are west of the middle states. Obviously, associations are formed only where a considerable number of alumni are in residence, but the suggestion may be made to the alumni scattered throughout the states west of the Mississippi that in so far as possible they should plan to hold a reunion at least once or twice a year and thus not only revive old friendships but also extend the influence of Wesleyan where it is too little known. The new administration has undertaken to accomplish a great work, and there are multitudes of ways in which the various associations and the individual alumni can make the burden somewhat lighter.

One especial aim of the new administration will be to bring before the public in every legitimate way the activities of the University. Wesleyan is not desirous of unearned recognition, but may justly demand that somewhat more of public attention be directed to the exceptional facilities here provided for higher education. The alumni associations should make such diffusion of information about Wesleyan a part of their regular duties.

There has been sent to every alumnus who is not already a subscriber to the *Wesleyan Argus* a copy of the special issue of November 18th, containing a full account of the installation of President Shanklin. This number contains twenty-eight pages and will doubtless be long preserved as a valued souvenir of a memorable occasion. Alumni who wish to procure views of the college will be interested to see the admirable pictures that appeared in the *Youth's Companion* of November 18th.

The June entrance examinations were conducted under the direction of a representative of the College Entrance Examination Board. Under the new system prospective students may take their examinations at Middletown or at any of the appointed places that may prove most convenient. Attention may be once more called to the fact that the September entrance examinations are under the direction of the faculty and are held at Middletown.

At the opening of the present college year a Sunday vesper service, attendance at which is required of all students, was established. Eminent preachers of various denominations have taken part, and have presented from different points of view topics of especial interest to young men. The service is brief—lasting less than an hour—and thus far appears to have solved in large measure the vexed question of church attendance at Wesleyan.

Special attention is directed to the preparation of the new Alumni Record, which has not been published in unabridged form since 1883, although an address list of alumni and non-graduates has been issued from time to time. The collection of the mass of necessary material imposes a heavy burden upon the editor charged with the publication. All possible aid should be given by those whose names are to appear in the book, and requests for information should be met without delay.

The usual supplement to the Alumni Record will be published this year before the end of January. Hereafter this supplement will be issued in briefer form, probably as a mere address list of graduates and non-graduates.

Before the close of the last collegiate year ex-President Raymond found his health so impaired as to incapacitate him for assuming the

duties of the chair of the English Bible, to which he had been appointed, and to necessitate his permanent withdrawal from the work of teaching. On the presentation of his resignation to the board of trustees, suitable resolutions were drawn up, which will be found in the report of the trustee meeting. By special action of the Carnegie Foundation for the Advancement of Teaching, Dr. Raymond has been made a beneficiary of the Foundation. It is a pleasure to announce that he will continue to make Middletown his home.

For more than forty-five years the grounds and buildings of Wesleyan University have been under the efficient charge of the janitor, Mr. Harlow Raymond. No figure has been more familiar to the students of Wesleyan, and none has become more deservedly popular. On the recent occasion of his eightieth birthday he was presented by the Wesleyan faculty with a tall, handsome clock, and by the student body with a silver loving-cup. It is a matter of general regret that he is to withdraw from active service at the close of the present college year. The good wishes of the entire college community and of the graduates of many years will follow him in his well-earned retirement.

General satisfaction will greet the announcement that the endowment of \$5,000 for the Wesleyan Free Bed in the Middlesex Hospital was completed on November 6th by the Hon. William Pallister Hubbard, '63, of Wheeling, West Virginia, who contributed somewhat more than five hundred dollars to the fund. Some additional subscriptions have since been received, and the entire fund now amounts to \$5,340.30. Grateful acknowledgment is due to many who have aided in this enterprise, but especially to Mrs. A. C. Armstrong, who headed the committee intrusted with the work of securing the endowment, and also to the late Mrs. Walter G. Cady, to whom the success of the hospital bazaar a year ago was largely due.

THE INSTALLATION OF PRESIDENT SHANKLIN

The ninth president of Wesleyan University was installed on November 12, 1909, under circumstances that made the occasion one long to be remembered by all who witnessed it. The date first set, October 29, was changed in the summer, in order to render possible the presence of President Taft, who had signified his willingness to attend.

A committee composed of representatives from the trustees and faculty began the work of preparation in the summer vacation. Soon after President Shanklin had announced that President Taft was expected to attend the installation, the citizens of Middletown began to consider the advisability of making preparations distinct from those of the University to give the distinguished guest a suitable welcome. The University authorities accordingly invited the city to participate in the ceremonies of the day. The visit of a president of the United States to Middletown, for the second time in the history of the town, and the extensive preparations to receive him attracted large throngs from the neighboring towns and cities. The coöperation of the citizens undoubtedly lent to the installation an added degree of *éclat* and the hospitality exhibited by many of them in opening their homes for the entertainment of our invited guests and the delegates from other institutions contributed largely to solve the troublesome problem of entertainment.

Most of the alumni, delegates, and invited guests reached Middletown on Thursday evening. The fraternity initiations, which had been postponed to the eve of the installation, were largely attended, not only by the alumni of Wesleyan, but by distinguished guests from other colleges. In view of the busy day to follow, the initiations were brought to a close at an hour considerably earlier than usual.

The weather of Friday, the twelfth, was ideal. The sky was cloudless and the temperature unusually high for the time of year. At 8:40 A. M. President Taft arrived in his private car, the "Mayflower," which was attached to the train from New Haven. With him were Vice-President Sherman and Senator Elihu Root. The President was welcomed at the station by a delegation consisting of President Shanklin, Professors Van Vleck and Rice; Messrs. G. S. Coleman, A. R. Crittenden, and S. H. Olin, trustees of the University; Governor Weeks and his aides, Major Rice, Major Ullman, and Colonel Shepard; Mayor Russell, and Postmaster Calef. These gentlemen boarded the "Mayflower" immediately on its arrival and, after a brief interval, escorted the President through throngs of sightseers down Main Street to the Middlesex, which they entered at 9:30, after half an hour's participation in the civic parade.

The exercises of installation began promptly at ten o'clock, although the Boston Festival Orchestral Club, which was to furnish the music, did not arrive till twenty minutes later. The academic procession, consequently, marched in unaccompanied by music, in the following order: the chief marshal, Professor Armstrong, and his first assistant, Professor

Bradley; the local clergy, the conference visitors, the principals of secondary schools, the faculty, the trustees, other guests of the University, the delegates from other institutions, and last, the dignitaries, including Vice-President Sherman, President Shanklin, and President Taft. Since each of these groups marched in reverse order of seniority, the two presidents brought up the rear of the procession and were greeted with prolonged applause when they entered the auditorium.

With the entrance of the head of the procession, the audience rose and remained standing until all had reached the platform. In front and at the right of the audience was placed a chair for President Ingraham of the board of trustees, and immediately behind this another for President Shanklin. At the left, President Taft occupied a chair of generous dimensions, once owned by President Washington and used by him during his residence in New York after his inauguration. It was loaned to the University for this occasion by the Middlesex County Historical Society. Behind the three presidents were ranged the other participants in the academic procession.

In the body of the house the floor was reserved for alumni, the boxes and the balcony for the ladies and for other invited guests, while the upper gallery was filled with undergraduates, whose enthusiastic cheering was distinctly a feature of the occasion. The members of the senior class wore academic costume.

The exercises opened with the singing of Faber's noble hymn, "Faith of our Fathers." Professor Harrington led, and the vast audience, still standing, joined heartily. There followed an impressive invocation by Bishop William Burt. The president of the board of trustees, Henry Cruise Murphy Ingraham, LL. D., then inducted President Shanklin into office and presented to him the charter of the University, inscribed upon a parchment roll, and a small red box containing the seal. After a few words of acceptance from President Shanklin came addresses of congratulation by Professor Rice, on behalf of the faculty, by A. T. Vanderbilt, '10, on behalf of the undergraduates, and by Stephen H. Olin, '66, on behalf of the trustees. Ex-President Raymond brought a ringing message of encouragement and good-will, President Harris of Northwestern University followed with greetings from the West, President Stryker of Hamilton College, the *alma mater* of President Shanklin, with a keen, bright speech, full of vigor, and President Hadley of Yale University with a greeting from "those who are to be your nearest neighbors, and, I hope, your closest associates."

A musical number by the orchestra was succeeded by a few words from Senator Root of New York, who said that he represented nothing

but himself and a personal friendship. President Taft, the next speaker, received a prolonged ovation. He defined his ideal of a college president and congratulated Wesleyan University on its acquisition of a man who fulfilled that ideal.

After another selection by the orchestra came the inaugural of President Shanklin, which dealt with the problems of collegiate administration and the ideals by which such administration should be governed.

The conferring of honorary degrees was an unusually impressive ceremony. Professor Crawford presented to President Shanklin the candidates for the degrees of Doctor of Divinity and Doctor of Humane Letters, Professor Winchester, those for the degree of Doctor of Laws. Prolonged applause succeeded the conferring of the degree upon President Taft. After it had subsided the benediction was pronounced by the Right Reverend Chauncey Bunce Brewster, D. D., Bishop of Connecticut, and the academic procession was conducted in reverse order from the auditorium, while the audience remained standing until the entire procession had passed out.

The exercises, as had been planned, closed in abundant time to allow the delegates, the invited guests; the alumni, trustees, and faculty of the University to assemble in the basement of Fisk Hall at 1:30 to partake of an informal buffet luncheon, which was served to about 650 people. The distinguished speakers of the morning, including President Taft, took luncheon at President Shanklin's house. On his way from the Middlesex President Taft had found opportunity to spend five minutes at the chapter house of the Psi Upsilon fraternity, of which he is a member.

At the close of the luncheon the delegates from other institutions and the faculty of the University resumed academic costume for the exercises at the gymnasium. A wide platform, carpeted with the colors of the University, had been erected at the west end of the building. Here sat in two rows the Wesleyan faculty, among whom a seat was reserved for Captain Butts, the President's aide. President Shanklin occupied a seat at the right of the platform, and President Taft sat at the left in the same chair that he had used at the Middlesex. Soon after three o'clock the exercises opened with brief speeches from President Faunce of Brown University, and the Honorable Elmer E. Brown, Commissioner of Education of the United States. The marshal of the day, Professor Armstrong, then called the roll of the delegates, who ascended the platform in response to their names, and were presented to President Shanklin and President Taft. Congratulatory addresses, some of which were presented at this time, were sent by the following institutions: The United States Bureau of Education, Harvard University, Columbia

University, New York University, The Woman's College of Baltimore, Victoria University of Toronto, and the University of Chicago. This ceremony was witnessed by alumni, alumnae, and invited guests, in addition to the trustees and faculty of the University and their wives. Twenty seniors in academic garb served efficiently as ushers.

Immediately afterwards many of the trustees and faculty proceeded to the President's house and were presented by him to Senator Root and to President Taft. Soon after four o'clock the long civic procession, with many bands and various societies in line, came along High Street to escort President Taft to the station, where his car was attached to the 5:34 train for Hartford. The guests of the University thus had an opportunity to view the parade before repairing to the formal dinner in Fisk Hall. This was attended by about 160 of the delegates, the invited guests, the trustees, and the faculty of the University. Preceded by pleasant social intercourse in one of the lecture rooms, the banquet opened at 6:45 with grace pronounced by Dean Hart of the Berkeley Divinity School. The banquet was elaborate, and was excellently served. A pleasing feature was a succession of college songs rendered by the Wesleyan Glee Club. At 8:15 Professor Winchester, who presided, spoke a few appropriate words and then called successively upon President Buckingham of the University of Vermont, President Cooper, Dr. Shanklin's successor at Upper Iowa University, Professor Thorndike of Columbia University, Chancellor Kirkland of Vanderbilt University, and President Garfield of Williams College, who responded with brief speeches.

Even before the conclusion of the banquet, the reception at the President's house had commenced. Nearly nine hundred people were present. In the course of the evening Vice-President Sherman made a brief speech at the invitation of President Shanklin. At eleven o'clock, by special invitation of President and Mrs. Shanklin, the entire body of students, who for over an hour had been singing in the grounds outside, entered the house. After they had been received, a beautiful loving-cup was presented to President Shanklin as a token of love and esteem by Vanderbilt, '10, in the name of the student body.

Both as a whole and in its details the day was marred by no circumstance that could by any foresight have been obviated. There were in attendance about 475 alumni and alumnae, thirty of the trustees, in many cases accompanied by their wives, forty-three invited guests, four bishops of the Methodist Episcopal and one of the Protestant Episcopal church, seven conference visitors, and about ninety delegates, forty of them presidents, from eighty-one institutions.

TRUSTEE MEETING

The annual meeting of the board of trustees of Wesleyan University was held in South College, Middletown, beginning at 8:00 P. M., Monday, June 28, 1909. Acting President Rice and President-elect Shanklin met with the board by invitation. The officers of the preceding year were reelected, namely: H. C. M. Ingraham, president; D. G. Downey, secretary, and C. D. Burdick, treasurer.

Various requests from members of the faculty for leave of absence were considered. One was referred to the general executive committee with power, and the others were laid on the table.

The report of the committee on a coördinate college for women was considered and a recommendation of the committee, that it is not advisable to inaugurate a separate college for women at Middletown until at least \$400,000 is raised, was approved. It was further voted that a standing committee consisting of five trustees, of which President Shanklin should be chairman, should be appointed by the chair, to whom all matters relating to a coördinate college for women should be referred.

A committee consisting of Charles Scott, W. I. Haven, and F. M. North was appointed to frame suitable resolutions relating to the services of Acting President Rice. A committee consisting of F. M. North, W. V. Kelley, and J. M. Buckley was appointed to frame suitable resolutions in regard to the services of President Raymond during his long term of service.

At the adjourned session of the annual meeting, held in South College at 9:00 A. M. Tuesday, June 29, degrees in course were voted on recommendation of the faculty.

G. G. Reynolds, C. L. Rockwell, and W. N. Rice were appointed a committee to prepare suitable resolutions concerning William Connell, trustee, recently deceased.

The treasurer was authorized to accept the gift for the chair of the English Bible, and to execute the usual annuity bond.

William H. Burrows, of Middletown, Conn., was elected trustee to fill the vacancy caused by the death of William Connell.

Acting President Rice was authorized to confer the degree of Doctor of Divinity *in absentia* upon Rev. Charles E. Davis.

The report of the general executive committee was presented, and the various recommendations of the committee were approved.

The president and the secretary of the board were authorized to make suitable reply to the trustees of the Carnegie Foundation in regard to the pension granted to ex-President Raymond.

A committee of five was appointed on by-laws, to make ten copies of all existing by-laws, to codify the same, and report to the board at their mid-year meeting. The committee consists of J. M. Buckley, W. N. Rice, W. A. Shanklin, W. U. Pearne, and G. D. Beattys.

The president of the University was authorized to remit tuition charges to deserving students to an amount not to exceed \$10,000 for the college year 1909-10.

A report from the Alumni Association was presented, showing the election of Stephen H. Olin and Charles Scott as trustees to succeed themselves for a term of five years. George D. Beattys, of the committee to consider the petition of certain members of the student body for the use of the gymnasium for college dances, reported recommending that no action be taken until a request for some action should be received from the president and faculty of the University. The report was adopted.

On recommendation of the committee on a new edition of the Alumni Record, it was voted to publish such an edition under the general supervision of Professor Nicolson, in association with Professors Rice and Winchester as advisers.

F. E. Barker, president of the Alumni Association, presented a request for such change in the charter as will give the alumni an increased proportion of elective trustees. This matter, together with the question of the relation of the board to trustees elected by patronizing conferences, was referred for consideration and report to the general executive committee.

The board appointed the usual standing committees.

The following resolution was unanimously adopted by a rising vote:

"The trustees of Wesleyan University place upon record at this meeting, which marks the end of the interregnum during which Professor William North Rice, Ph. D., LL. D., has been acting president, their gratitude to him for the unstinted use of his resources of mind, of body, and of spirit in the twenty months of his remarkable administration. These resources were dedicated to the service of Wesleyan University two score years ago. They have been ever ample and available. The lucid intellect disciplined to sound reasoning, the generous heart, unselfish in its response to every demand, the unclouded conscience which never held parley with an enemy of purity or truth, the equipment of an exact and comprehensive scholarship, the power of eloquent and persuasive speech, the patience of unwearied purpose, these all had become the cherished possession of the University. When the emergency came by which, as senior professor, Professor Rice was requested by the trustees

to assume the labors of acting president, while shrinking from the task, to its claims he brought the personality and the equipment which for forty years had been placed under tribute by students, academic council, faculty, and trustees. The fine result of that surrender to the task of administration is found in the unmarred harmony of the past year in the college community, the orderly preparation of business for the use of him to whom the leadership will soon be transferred, and the applause of our college world, in which every member of the college body, every colleague in the faculty, every trustee and friend of the University, is eager to share. We assure Acting President Rice of our high appreciation of himself, of our deep satisfaction in his administration, and we extend to him our hearty and thankful congratulations upon the highly successful termination of a service which must, we believe, be reckoned among the most notable of the many achievements of a striking career."

The general executive committee were given power to arrange for the carving of an appropriate designation on the building known as Fisk Hall.

A communication was read from ex-President B. P. Raymond, resigning his appointment as Professor of the English Bible and Biblical Literature on account of ill health, the same to take effect June 30, 1909.

The following resolution was unanimously adopted by a rising vote:

"We, the trustees of Wesleyan University, receive and accept with profound regret the resignation of Bradford P. Raymond, D. D., LL. D., from the Waite Professorship of the English Bible. We had anticipated with satisfaction the reënforcement of the curriculum of the college by the instruction in the important subjects for which Dr. Raymond's tastes, study, and thinking had so eminently fitted him. We felt assured that the experience of one long intimately connected with the administration of the college and of such kindly tact in the expression of even deep convictions would be a welcome contribution to the deliberations of the faculty and of the academic council. We had believed that the persistence in the college community of that quiet but penetrating moral and spiritual influence which had for nearly a score of years been a potent force in the maintenance of highest ideals and noblest practices, would hold sure and safe for the University an asset of the utmost value. We feel the keenest disappointment, in which the faculty, students, and friends of the college share, that the impaired health of Dr. Raymond at this time compels him by presenting his resignation to disappoint their hopes.

"We have already placed upon our records a statement of our high estimate of the importance of the services rendered to this college and

The foregoing property represents the following funds and balances, and is answerable for the same:

University grounds, buildings, and contents	-	-	-	\$1,080,216	19
General endowment (including Trafton and Ayres funds)				608,463	14
Endowments of the presidency and professorships	-	-		594,598	93
Library endowments	-	-	-	88,543	39
Fayerweather Gymnasium fund	-	-	-	25,000	00
Endowments of prizes	-	-	-	8,098	56
Endowments of scholarships	-	-	-	54,107	23
Crawford Memorial fund	-	-	-	5,000	00
Annuity funds	-	-	-	107,250	00
Astronomical Observatory fund	-	-	-	49,571	43
Balances of special funds	-	-	-	2,009	39
Bills payable, loans on account of income	-	-	-	39,000	00
				<u>\$2,661,858</u>	<u>26</u>

RECEIPTS EXCLUSIVE OF INCOME

Investments terminated	-	-	-	\$71,805	50
Alumni endowment fund, gifts	-	-	-	9,207	25
Other gifts for general endowment	-	-	-	434	00
Annuity fund, Miss E. J. Mead, gift	-	-	-	12,000	00
Gift for endowment of scholarship	-	-	-	2,500	00
Alumni Library fund, gift	-	-	-	20	00
Astronomical Observatory fund, gift	-	-	-	1,000	00
Undergraduate building fund for North College, gifts	-	-	-	267	00
Increase in sundry funds from income	-	-	-	5,482	40
				<u>\$102,716</u>	<u>15</u>

PAYMENTS EXCLUSIVE OF CURRENT EXPENSES

New investments	-	-	-	\$98,934	00
North College	-	-	-	1,211	86
Commissions and taxes on sales	-	-	-	6	96
				<u>\$100,152</u>	<u>82</u>

RECEIPTS FOR INCOME

Tuition (excluding \$11,372.50 remitted)	-	-	-	\$13,290	50
Rents, laboratory and other fees from students	-	-		22,709	82
College dining hall	-	-	-	5,741	99
Women's dormitory	-	-	-	2,337	79
Sundries	-	-	-	1,094	93
Gifts for income account, special	-	-	-	1,458	81
Gifts for income account, general	-	-	-	2,662	76
Income from general endowment (including Trafton and Ayres funds)	-	-	-	31,087	13

Income from presidency and professorship funds	-	-	\$30,485	88
Income from library endowments	-	-	3,956	35
Income from Fayerweather Gymnasium fund	-	-	1,344	00
Income from prize endowments	-	-	322	00
Income from scholarship endowments	-	-	2,085	62
Income from Crawford Memorial fund	-	-	300	00
Income from annuity funds	-	-	4,662	50
			<u>\$123,540</u>	<u>08</u>

PAYMENTS FOR CURRENT EXPENSES

Maintenance and care of buildings and grounds	-	-	\$34,500	81
Administrative expenses and incidentals	-	-	9,032	23
College dining hall	-	-	4,810	04
Women's dormitory	-	-	2,336	90
Salaries	-	-	64,100	00
Library, book purchases only	-	-	3,131	95
Gymnasium	-	-	1,547	95
Prizes, endowed	-	-	322	00
Prizes, unendowed	-	-	305	00
Scholarships	-	-	2,085	62
Annuities	-	-	4,662	50
Appropriations to departments, laboratories, library, and museum	-	-	6,324	04
American School at Athens	-	-	200	00
Interest on loans	-	-	1,972	29
			<u>\$135,331</u>	<u>33</u>

COMPARATIVE SUMMARY OF PROPERTY

	1908	1909
University grounds, buildings, and contents	\$1,083,004 33	\$1,080,216 19
Investments	1,477,878 78	1,509,028 78
Cash	30,550 52	21,322 60
Balance due from income account	38,627 76	51,290 69
	<u>\$2,630,061 39</u>	<u>\$2,661,858 26</u>
University grounds, buildings, and contents	\$1,083,004 33	\$1,080,216 19
Endowment funds	1,506,919 35	1,540,632 68
Balances	1,137 71	2,009 39
Bills payable	39,000 00	39,000 00
	<u>\$2,630,061 39</u>	<u>\$2,661,858 26</u>
Less income balances and bills payable	40,137 71	41,009 39
Total property	\$2,589,923 68	\$2,620,848 87
Increase	-	\$30,925 19

COMPARATIVE SUMMARY OF RECEIPTS AND EXPENDITURES

	1908		1909	
	Receipts	Expenditures	Receipts	Expenditures
General cash ac- count -	\$272,067 98	\$252,635 24	\$102,716 15	\$100,152 82
Income account -	134,327 09	147,749 56	123,540 08	135,331 33
Totals -	\$406,395 07	\$400,384 80	\$226,256 23	\$235,484 15

The total receipts from investments during the year were \$79,630.26. The income of the general investments has been divided at the rate of 5.376 per cent. among the funds and balances to which these investments belong, no interest being allowed to the profit and loss accounts, for general investment, and for Ayres scientific endowment, and only the interest called for by agreement being allowed on the annuity funds. The income remaining after the above division (\$8.80) has been added to the income of the general endowment funds. By vote of the board of trustees, the expenditures from any library, scholarship, or prize fund, in any one year, shall not exceed $4\frac{1}{2}$ per cent. of the principal of said fund. Any income above $4\frac{1}{2}$ per cent. shall be added to the principal of the fund.

During the year, payments of \$12,620.01 increased the alumni fund from \$64,954.56 to \$77,574.57. Of the new payments \$9,207.25 was credited to the general endowment fund, \$912.76 to the general income account, and \$2,500 to scholarship funds.

For the sake of clearness a statement of the annual deficit for the last five years is here presented:

[illegible]

Subscriptions to meet current expenses have been made as follows:

[illegible]

RECENT GIFTS

Since the publication of the May *Bulletin*, additional payments of \$35 have been received for the undergraduate building fund for North College. Further payments to the alumni endowment fund have been made amounting to \$4,843.19.

J. M. Van Vleck, '50, has given an additional \$1,000 for the Astronomical Observatory fund. Miss N. L. Whitney, ex-'90, has given \$10 for the library.

HONORARY DEGREES

The following honorary degrees were conferred at Commencement, June 30, 1909.

MASTER OF ARTS

William Dudley Goewey, ex-'77, High School, Albany, N. Y.

Herbert Brigham Hayden, ex-'84, Superintendent of Schools, Rock Island, Illinois.

DOCTOR OF DIVINITY

Reverend Charles Edward Davis, '76, Principal of Wesleyan Academy, Wilbraham, Mass.

Reverend Crandall J. North, '77, Corresponding Secretary, New York East Conference Endowment Fund Commission, Brooklyn, N. Y.

Reverend Wilbur Fisk Tillet, Vanderbilt University, Nashville, Tenn.

DOCTOR OF LAWS

Francis John McConnell, President of DePauw University.

Silas Arnold Robinson, Judge of the Superior Court of the State of Connecticut, and Justice Elect of the Supreme Court of Connecticut.

Frank Bentley Weeks, Governor of the State of Connecticut.

The following honorary degrees were conferred at the installation of President Shanklin, November 12, 1909.

DOCTOR OF DIVINITY

Reverend Richard Watson Cooper, '90, President of Upper Iowa University.

Reverend George William Knox, Union Theological Seminary.

Reverend Thomas Nicholson, Corresponding Secretary of the Board of Education of the Methodist Episcopal Church.

DOCTOR OF HUMANE LETTERS

Professor Ashley Horace Thorndike, '93, Columbia University.

DOCTOR OF LAWS

William Howard Taft, President of the United States.
James Schoolcraft Sherman, Vice-President of the United States.
Elihu Root, Senator from New York.
Elmer Ellsworth Brown, United States Commissioner of Education.
William Burt, '79, Bishop of the Methodist Episcopal Church.
Daniel Ayres Goodsell, Bishop of the Methodist Episcopal Church.
William Herbert Perry Faunce, President of Brown University.
Ernest Fox Nichols, President of Dartmouth College.
Matthew Henry Buckham, President of the University of Vermont.
Harry Augustus Garfield, President of Williams College.
Melancthon Woolsey Stryker, President of Hamilton College.
Richard Cockburn MacLaurin, President of the Massachusetts Institute of Technology.
George Harris, President of Amherst College.
Samuel Hart, Dean of Berkeley Divinity School.
James Hampton Kirkland, Chancellor of Vanderbilt University.

ALUMNI ASSOCIATION

The Association was called to order for the annual meeting in Memorial Chapel at 10:15 A. M., on June 29th, by President Barker. The minutes of the previous meeting were read and approved. The treasurer's report was read, accepted, and ordered placed on file. The president appointed as nominating committee, Messrs. C. F. Rice, W. A. Richard, W. K. Stetson, Monroe Buckley, G. W. Wriston.

Hon. Stephen H. Olin was elected to represent the Alumni Association at the installation of President Shanklin.

Professor Dutcher reported for the committee on a scheme for establishing an Alumni General Committee. The Association voted to refer the matter back to the committee with instruction to print their report, send a copy to each alumnus, and report at the next meeting of the Association.

Stephen H. Olin and Charles Scott were declared elected to succeed themselves for a term of five years.

The following officers were elected for the ensuing year:

President, George M. LaMonte, '84; *First Vice-President*, Charles S. Chapin, '80; *Second Vice-President*, E. S. Tasker, '90; *Third Vice-President*, E. L. Thorndike, '95; *Recording Secretary*, K. P. Harrington, '82; *Corresponding Secretary*, W. J. James, '83; *Treasurer*, W. E. Fairbank, '93; *Executive Committee*, M. B. Crawford, '74, S. V. Coffin, '89, W. U. Pearne, '74, E. G. Derby, '83, J. F. Calef, '77; *Alumnus Editor*, K. M. Goode, '04.

H. D. Gordon, for the committee on purchase of the Atwater library, reported progress, and the committee was continued.

The report on alumni endowment fund was called for, but there was no report. The committee was continued.

On motion of W. A. Tateum, '84, it was voted that a committee of five be appointed by the chair to present to the trustees of Wesleyan a request for such change in the charter as shall give the alumni an increased proportion of elective trustees. The committee as appointed consists of Messrs. F. E. Barker, '74, G. A. Carnahan, '84, T. A. Griffin, '81, C. F. Rice, '72, B. O. McIntire, '83.

ALUMNI ATHLETIC ASSOCIATION

The annual meeting of the Alumni Athletic Association was held in Memorial Chapel on Tuesday, June 29, 1909, at noon, President Jordan C. Wells, ex-'88, in the chair.

The following officers were elected: *President*, Ralph W. Rymer, '00; *Vice-President*, William H. Hall, '92; *Secretary-Treasurer*, Herbert B. Shonk, '03, 2 Rector Street, New York City.

Seward V. Coffin, '89, was elected a member of the Athletic Council for a term of three years to succeed himself.

The treasurer reported a surplus for the year 1908-9, and it was voted that this surplus be paid to the Athletic Council, to be used as the Council should think best.

After general discussion of the proposed new constitution for the control of the various college activities, which had been submitted at the meeting of the Alumni Association, it was voted that a committee of three be appointed to confer with the committee of the Alumni Association in charge of the preparation of said constitution. The President appointed as this committee Messrs. S. V. Coffin, '89, L. E. Gordon, '94, and E. L. Steele, '94.

APPOINTMENTS TO THE FACULTY

CLARK SMITH BEARDSLEE, elected Lecturer in Ethics, was graduated from Amherst College in 1876, and from the Hartford Theological Seminary in 1879. He was instructor in Hebrew in the latter institution for two years and was pastor successively in Iowa, Arizona, and Massachusetts for five years. After studying at the University of Berlin, he held the position of Professor of Biblical Dogmatics and Ethics in the Hartford

Theological Seminary for eighteen years, and at present is Professor of Biblical Homiletics in the same institution. He has received the degree of Doctor of Divinity from Berea College.

ARTHUR LINCOLN GILLETT, elected Lecturer in Evidences of Christianity, was graduated from Amherst College in 1880, and from the Hartford Theological Seminary in 1883. The next year he was a graduate student at the latter institution, and in 1889-91 held a fellowship, studying in Berlin and Tübingen, Germany. He was appointed to the Department of Apologetics in the Hartford Seminary in 1888 where he has remained ever since. He received the degree of A. M. in 1884, and of D. D. in 1901, both from Amherst College.

HENRY BARRETT LEARNED, elected Lecturer in History, was graduated from Harvard College in 1890. He received an A. M. from the University of Chicago and a Ph. D. from Yale. In 1894-6, he was in charge of the History Department in the Armour Institute of Technology, Chicago. In 1896-7 he was assistant in American History at Harvard. The year of 1899-1900 he spent in Europe, part of the time at the University of Leipzig. From 1900 to 1906 he was in charge of the Department of History in the Sheffield Scientific School at Yale.

PAUL HOLROYD CURTS, elected Instructor in German, was graduated from Yale College in 1905. For two years he was instructor in physics and chemistry in Cheshire Academy. In 1907, he took an M. A. at Yale and the following year, 1907-8, was an instructor in German in the Sheffield Scientific School. In June, 1909, he received the degree of Ph. D. from Yale University. The subject of his dissertation was "Luther's Variations in Sentence Arrangement from the Modern Literary Usage."

CHARLES EDWARD GRAVES, elected Instructor in Romance Languages, was graduated from Wesleyan University in 1908, with the degree of Bachelor of Arts. He spent the year of 1908-9 in the study of languages in Europe, the greater part of the time at the University of Paris.

CHARLES LEWIS BRIGHTMAN, elected Assistant in Physics, was graduated from Brown University in 1909, with the degrees of Bachelor of Philosophy and Master of Arts (in physics and astronomy).

OSCAR FRED HEDENBURG, elected Assistant in Chemistry, was graduated from Wesleyan University in 1909, with the degree of Bachelor of Arts.

DEPARTMENT NOTES

CHEMISTRY.—In their latest catalogue of scientific apparatus, Eimer and Amend have listed and illustrated the graphite cathode dish and rotating anode described by Dr. Turrentine in an article which was published last spring in the *Journal of Physical Chemistry* and in the *Transactions of the American Electro-chemical Society*, and was presented before the latter society in April. This piece of apparatus is designed for use in electro-chemical analysis in place of the usual expensive Classen dish, which is made of platinum. That the substitution of graphite for platinum was not made long ago is due to certain practical difficulties which have now been overcome.

ETHICS AND RELIGION.—The course in Evidences of Christianity (Course II) is given the first half-year by Professor A. L. Gillett of Hartford Theological Seminary, and the course in Ethics (Course I) will be given the second half-year by Professor C. S. Beardslee of the same institution.

GEOLOGY.—The course in Physical Geography (Course I) will be given the second half-year by an instructor who has not yet been appointed.

BIOLOGY.—Hereafter the regular course in bacteriology will be two hours a week for the year instead of for a half-year. In addition, students in Course V will have opportunity to learn bacteriological method by practice in the laboratory.

PHYSICS.—A Gaede mercury pump for the production of high vacua, with accessory apparatus, has been purchased from Leybold in Germany, for use in demonstrations and in experimental work.

MATHEMATICS AND ASTRONOMY.—The course in Practical Astronomy, now numbered XVII, has not been offered for several years, but is to be given this year.

HISTORY.—Owing to the illness of Professor Dutcher, the courses in history have been under the direction of Dr. Learned for the fall term.

ENGLISH LANGUAGE.—A readjustment of the work in rhetoric has been made by which the class is for the first half-year in charge of Mr. Gillet, and for the second half-year in charge of Professor Mead.

A new course of two hours a week in the development and types of the English essay (Course III) is given this year by Mr. Gillet. The essay is considered from both the literary and the rhetorical points of view.

MUSEUM NOTES

The Mineralogical Department of the Museum has received a collection of over sixty specimens from Mr. A. H. Petereit of New York City, in exchange. This collection includes specimens of a number of rare minerals and of several minerals only recently discovered and described. Mr. Petereit presented to the Museum a collection of over fifty small cut specimens of jade, lapis-lazuli, and other gems and ornamental stones.

A glass model of the famous Cullinan diamond has been presented to the Museum by Mr. Willis E. Terrill. This diamond, measuring about four and one-half inches in its longest diameter, and weighing more than three times as much as the largest previously known, was presented by the government of the Transvaal to King Edward of England, and has now been broken up and cut into a large number of brilliants, several of which rank among the largest of cut diamonds, though they are only fragments of the huge Cullinan. In the interest of science a model was made of the huge stone while still entire.

Mr. Edward Sheldon has presented to the Museum some specimens of chialstolite, several of which have been cut into transverse sections in order to show more clearly the remarkable arrangement of impurities which characterizes that peculiar variety of andalusite.

Mr. Loper has made this fall a very successful expedition to the iolite locality in Guilford. With the assistance of a number of workmen, considerable blasting was done, and seventy-five specimens of the rare and beautiful mineral were obtained. The locality is on the land of Mr. Richard Woodruff, who very courteously gave permission for the quarrying and assisted in it himself.

Mr. H. C. Petersen has presented some stone beads and other ornaments from the Aztec pyramids of the sun and moon, at San Juan Teotihuacan, in Mexico.

A collection of mounted ferns, twenty-six in number, has been presented by Mrs. Bradford P. Raymond.

In a former number of the *Bulletin* it was announced that arrangements had been made for the purchase, in behalf of the Museum, of Mr. Loper's private collection of ethnological specimens. The collection, which included many valuable specimens from the shell heaps of Denmark, and which was especially rich in Indian relics from the vicinity of Middletown, was placed in the Museum at the time of the bargain for its purchase. Since then the money has been contributed by Hon. A. R. Crittenden, Mr. E. K. Hubbard, and Professor W. N. Rice.

UNIVERSITY NOTES

REPAIRS AND IMPROVEMENTS.—Among the improvements in college property that have been made in the past few months, the most important is the complete renovation of the house of the President. The entire interior has been redecorated at an expense of several thousand dollars, and new furnishings provided in harmony with the surroundings.

The building heretofore used for many years as a dormitory and boarding hall for women students, and known as Webb Hall, has been made a dormitory for men and renamed East Hall. On the ground floor, a room has been reserved for the meetings of the Deutscher Verein.

A considerable number of rooms in Observatory Hall, which has not for many years been used as a dormitory for students, have been remade for dormitory purposes.

On the campus new concrete walks have been constructed, leading to the Chapel and the Library. The old walks had been in use for more than a generation.

FACULTY NOTES

Professor Rice spent a few weeks in the White Mountains after Commencement. Later he attended the meeting of the British Association for the Advancement of Science at Winnipeg. After that meeting he took a rapid tour to the Pacific coast. On the way he spent some days in the part of the Rocky Mountain region traversed by the Canadian Pacific Railroad, stopping for excursions at Banff, Laggan, Field, and Glacier.

Professor Armstrong represented the *Philosophical Review* at the Sixth International Congress of Psychology, held at Geneva, Switzerland, August 3-7.

Professor Mead spent the summer in travel and study in Northern Italy.

Professor Conn attended the annual meeting of the American Public Health Association held in Richmond, Virginia, October 19-21. Professor Conn was sent as delegate by the Connecticut State Board of Health.

Professor Nicolson represented the College at the meeting of the College Entrance Examination Board in New York on November 6, and was appointed a member of the Committee of Review.

Professor Cady attended the meeting of the American Physical Society at Princeton, New Jersey, on October 23, the occasion being the dedication of the new physics laboratory at Princeton University.

Professor Dodge has been granted leave of absence for the year and is engaged in study and investigation in Germany and France. A portion of his work during the present year has been assumed by Professor Armstrong and Mr. Wooster.

SUNDAY VESPER SERVICES

On October 3, the first Sunday afternoon vesper service was held, at which President Shanklin delivered the sermon. The speakers since then have been as follows: October 10, Rev. William Ingraham Haven, D. D., '77, Corresponding Secretary of the American Bible Society; October 17, Rev. Frank Bourne Upham, D. D., '85, of Brooklyn, N. Y.; October 24, Rev. Watson Lyman Phillips, '72, Pastor of the Church of the Redeemer, New Haven; October 31, Rev. Joseph Hopkins Twitchell of Hartford; Nov. 7, Rev. Fred Winslow Adams, D. D., of Schenectady, N. Y.; November 14, Rev. J. Wesley Hill, D. D., LL. D., of New York; November 21, Bishop William Burt, D. D., LL. D., '79, of Zurich, Switzerland.

DELEGATES TO INAUGURATIONS

President Shanklin, Professor Rice, and Professor Nicolson were appointed delegates to the inauguration of President Lowell of Harvard University, on October 6, 1909. Professor Armstrong was substituted for Professor Rice, who was prevented from attendance by unforeseen duties. At the inauguration of President Nichols of Dartmouth College, on October 14, Wesleyan was represented by President Shanklin and Professor Winchester, at that of President Bryan of Colgate College, on October 20, by Professor Fife.

UNDERGRADUATE NOTES

YOUNG MEN'S CHRISTIAN ASSOCIATION.—Like all other branches of college activity the association is adapting itself to the changes brought about by the new administration, and the enthusiasm arising from it. On account of the Sunday vesper service adopted this year the weekly meeting was changed from Sunday at 9:15 A. M. to Thursday at 7:00 P. M. Two meetings each month are led by students from the upper classes; the other meetings are conducted partly by members of the faculty, and partly by influential and active association workers from other places. Group classes for Bible study have been started in all the fraternities. Professor Hewitt is in charge of the normal class and meets the leaders once a week. Several classes have also been started for freshmen and furnished with suitable leaders. Considerable

time and effort are devoted to mission study. Recently Mr. Kenneth Latourette, secretary of the Student Volunteer Movement for New England Colleges, has been working among our students with good results. Wesleyan will send a full delegation of four men to the Student Volunteer Convention to be held at Rochester, N. Y., December 29 to January 2. On each evening from December 6 to December 11 Reverend Theodore Sommers Henderson, '92, has addressed the students in Memorial Chapel, and during each day has met individuals in a room set aside for this purpose in North College.

DEBATE.—Last spring the debating interests of the college were reorganized and a debating council was formed. The council consists of all the men who have been selected to represent the college as speakers or as alternates in intercollegiate debates. The officers for the present year are George Swift Brengle, '10, president, Arthur T. Vanderbilt, '10, manager, and W. Randolph Montgomery, '11, assistant manager. The council has made application for a charter to Delta Sigma Rho, a national debating society of about twenty-five chapters, and there is every probability that the petition will be granted at the convention in May.

Efforts are being made to establish a New England Oratorical League, which will hold an oratorical contest every year. Professor Winchester and Montgomery, '11, represented Wesleyan in Boston on December 4 at a meeting of delegates from Amherst, Bowdoin, Brown, Wesleyan, and Williams. The league is to be modeled after the oratorical leagues among the western universities.

On December 18, the triangular league debates with Amherst and Williams will be held. The question for debate is, "Resolved, that compulsory workingmen's insurance for old age, sickness, accident, and death should be adopted throughout the United States." Wesleyan will uphold the affirmative at Middletown against Williams with the following team: Roberts, '10, Vanderbilt, '10, and Montgomery, '11, alternate. At the same time Brengle, '10, Judd, '11, with H. D. Jones, '12, as alternate, will oppose Amherst at Amherst.

In the spring term Bowdoin and Wesleyan will meet again in debate, this time at Brunswick, Maine. Negotiations are also being carried on with a view to debating with New York University at the same time on the opposite side of the question from that taken in the Bowdoin debate. The Briggs Prize debate has been set early in March this year in order to provide competition for these two spring debates.

The freshmen won on December 14th the annual freshman-sophomore debate for the Scott Cup trophy. The freshman Debating Society has

been organized with the following officers: Hancock, president; Murphy, secretary.

PRESIDENT OF COLLEGE BODY.—The president of the college body this year is Arthur T. Vanderbilt, '10, of Newark, New Jersey.

MANAGERSHIPS.—There has been instituted this year a competitive system for the athletic managerships. Upon the recommendation of the manager, assistant manager, captain, and faculty adviser, the three men scoring the highest number of points are placed in nomination before the college body. This assures the election of a man experienced and capable of managing a team.

UNDERGRADUATE SPEAKERS.—The following undergraduate speakers have been elected: for the banquet of the Wesleyan University Club of New York Alumni Association on December 10, George S. Brengle, '10, of Amenia Union, New York; for the banquet of the Philadelphia Wesleyan Alumni Association on December 17, William K. Anderson, '10, of Chattanooga, Tennessee; for the Washington's Birthday banquet, Arthur T. Vanderbilt, '10, of Newark, New Jersey.

WESLEYAN ARGUS.—Under the editorship of William K. Anderson, '10, and Arthur T. Vanderbilt, '10, the *Argus* has been made a semi-weekly, issued in newspaper form. This brings the *Argus* into line with other college papers.

HOCKEY.—Wesleyan has entered a new branch of sport this year by the introduction of hockey. It is planned to play four or five games, weather conditions permitting.

NEW ALUMNI RECORD

As noted in the report of the June meeting of the board of trustees, it was voted at that time to undertake the preparation of a new Alumni Record. The last Record appeared in 1883. It is proposed to publish a new Record as complete, except for bibliography, as the last one. The number of alumni has more than doubled since that time. The proposed Record will contain a full personal history of each graduate, giving in addition to previous records the fraternity relationship of all members of Greek letter societies. The Record will further contain a complete family record so far as it is traceable, giving the names of children and data as to their birth, marriage, college education, etc. It is proposed to publish the names of all the non-graduates by classes, with some information, but not to make this so complete as in the case of the graduates. A full account will be given of the honorary alumni, and of

present and former members of the faculty. The book will also contain the annals of the College brought down to date from 1883, and a brief historical sketch of the College. There may be some pictures and other illustrative material, but this point is not yet decided. It is hoped that the book may be published before Commencement, 1911. Considerable work has been done on records of the older alumni who have died since 1883, and over a thousand letters of inquiry have been sent out in the course of the past few months. The book, when published, will be on sale at a reasonable price, not yet determined.

LOCAL ALUMNI ASSOCIATIONS

WESLEYAN ALUMNI CLUB OF NEW ENGLAND.—*President*, E. A. Wilkie, '76; *Vice-President*, F. T. Kurt, '95; *Secretary*, O. F. Herrick, '02, 4 A Park Street, Boston; *Treasurer*, C. N. Quimby, '90; *Executive Committee*, W. E. Rowell, '85, J. F. Chase, '96, G. C. Douglass, '08.

WESLEYAN YOUNG ALUMNI CLUB OF BOSTON.—*Secretary-Treasurer*, G. C. Douglass, '08, 164 Harvard Street, Brookline, Mass.

WESLEYAN ALUMNI ASSOCIATION OF MAINE.—*President*, W. E. Russell, '93; *Vice-President*, F. R. North, '97; *Secretary*, J. W. Taylor, '02, Turner, Me.

WESLEYAN ALUMNI CLUB OF NEW YORK.—*President*, C. D. Burdick, '86; *Secretary*, C. F. Corner, '03, 245 Greene Avenue, Brooklyn, N. Y. The forty-first annual banquet was held at the Hotel Savoy on December 10.

WESLEYAN YOUNG ALUMNI CLUB OF NEW YORK.—*President*, K. M. Goode, '04; *Secretary*, A. R. Bishop, '05, 159 Remsen Street, Brooklyn.

WESLEYAN ALUMNI ASSOCIATION OF EASTERN NEW YORK.—*President*, E. L. Meritt, '91; *Vice-President*, D. L. Robertson, '78; *Secretary-Treasurer*, A. H. Burdick, '99, 16 University Place, Schenectady, N. Y.; *Executive Committee*, Brace M. Gallien, '82, R. E. Nivison, '00, C. O. Judkins, '95, and the officers.

WESLEYAN ALUMNI ASSOCIATION OF CENTRAL NEW YORK.—*President*, T. E. Hancock, '71; *Vice-President*, E. L. Meritt, '91; *Secretary*, L. R. Weeks, '06, 621 Onondaga Street, Syracuse, N. Y.; *Executive Committee*, W. G. Cooper, '02, L. D. Bristol, '03, M. C. Cramer, '04.

WESLEYAN ALUMNI ASSOCIATION OF NEWARK AND VICINITY.—*President*, C. S. Chapin, '80; *Vice-President*, E. J. Tamblyn, '92; *Secretary-Treasurer*, H. P. Day, '03, Prudential Building, Newark, N. J.

PHILADELPHIA WESLEYAN ALUMNI ASSOCIATION.—*President*, W. F. Hamilton, '79; *Secretary*, G. I. Bodine, Jr., '06, 129 South Fourth Street, Philadelphia; *Treasurer*, Monroe Buckley, '99. The annual banquet was held on December 17. President Shanklin and Professor Winchester were present.

PHILADELPHIA YOUNG ALUMNI ASSOCIATION.—*President*, H. A. Thompson, '93, 421 Arch Street.

WESLEYAN UNIVERSITY ALUMNI CLUB OF NORTHEASTERN PENNSYLVANIA.—*President*, George S. Bennett, '64; *First Vice-President*, H. R. Van Deusen, '94; *Second Vice-President*, George W. James, '78; *Secretary-Treasurer*, R. W. Rymer, '00, Scranton, Pa. The banquet will occur sometime in the latter part of February, 1910, at Scranton, Pa.

WESLEYAN ALUMNI ASSOCIATION OF WESTERN PENNSYLVANIA.—*President*, Daniel Dorchester, '74; *Secretary*, H. B. Powell, Jr., '06, Mellon National Bank, Pittsburgh, Penn.; *Executive Committee*, J. W. Langdale, '03, Arthur E. Young, '98.

WESLEYAN ALUMNI ASSOCIATION OF WASHINGTON.—*President*, M. A. Knapp, '68; *Vice-President*, E. B. Rosa, '86; *Secretary*, E. W. Thompson, '98, 1212 Fourteenth Street, N. W., Washington, D. C.; *Treasurer*, O. S. Smith, '87.

WESLEYAN UNIVERSITY ALUMNI ASSOCIATION OF CHICAGO.—*President*, A. F. Nightingale, '66; *First Vice-President*, A. W. Harris, '80; *Second Vice-President*, M. B. Waltz, '95; *Secretary-Treasurer*, J. E. Wing, '00, 115 Adams Street, Chicago, Ill.; *Choragus*, G. B. Lufkin, '02; *Executive Committee*, M. P. Hatfield, '70, H. E. Cobb, '87, G. W. Sherburne, '06.

WESLEYAN ALUMNI CLUB OF SOUTHERN CALIFORNIA.—*President*, C. M. Parker, '68; *Secretary-Treasurer*, E. P. Clarke, '85, *Daily Press*, Riverside, California.

WESLEYAN ALUMNI OF NEW BRITAIN.—Initial steps were taken at a dinner held on October 26 to effect a permanent organization.

Class RECENT COLLEGE APPOINTMENTS

- 1871 Edgar Moncena Smith, Dean of Carleton College, Missouri.
- 1887 Samuel Newton Taylor, Professor of Electrical Engineering and Director of the Department, University of Cincinnati.
- 1890 Charles Manning Child, Associate Professor of Zoölogy, University of Chicago.
- 1890 Richard Watson Cooper, President of Upper Iowa University.
- 1892 Lincoln Robinson Gibbs, Professor of English, University of Pittsburgh.

- 1894 Arthur Mathews Gates, Assistant in Latin, Trinity College, North Carolina.
- 1894 Charles Hubbard Judd, Professor and Head of the Department of Education, University of Chicago.
- 1894 William Butler Davis, Instructor in Church Music, Berkeley Divinity School.
- 1897 Irville Charles LeCompte, Assistant Professor of French, Yale University.
- 1898 Archer Everett Young, Professor of Mathematics, Miami University.
- 1899 Edwin Walter Kemmerer, Professor of Economics and Finance, Cornell University.
- 1900 Walter Fenno Dearborn, Assistant Professor of Education, University of Chicago.
- 1900 Payson Jackson Treat, Assistant Professor of History, Leland Stanford Junior University.
- 1902 Fred Marlin Meader, Instructor in Pathology, Syracuse University.
- 1903 George Wilber Hartwell, Professor of Mathematics, Hamline University.
- 1903 George Franklin Strong, Librarian, Boston University.
- 1904 Frank Nugent Freeman, Instructor in Educational Psychology, University of Chicago.
- 1904 Asa Russell Gifford, Professor *pro tempore* of Intellectual and Moral Philosophy, University of Vermont.
- 1904 Paul Nixon, Assistant Professor of Latin and Greek, Bowdoin College.
- 1904 Henry Adelbert White, Instructor in English, Purdue University.
- 1905 Victor Caryl Myers, Adjunct Professor of Physiological Chemistry and Director of the Physiological Chemistry Laboratory, Albany Medical School.
- 1906 Harold DeForest Arnold, Professor of Physics, University of Mount Allison College, New Brunswick, Canada.
- 1907 William Harold Peterson, Assistant in Agricultural Chemistry, University of Wisconsin.
- 1908 Charles Edward Graves, Instructor in Romance Languages, Wesleyan University.
- 1909 Oscar Fred Hedenburg, Assistant in Chemistry, Wesleyan University.
- 1909 Carlton Friend Miller, Assistant in Chemistry, Cornell University.

FELLOWS AND SCHOLARS

- 1895 Clifford Pease Clark, Fellow in Classics, Princeton University.
- 1905 Henry Foster Adams, Fellow in Psychology, University of Chicago.
- 1909 Philip Lombard Given, Scholar, Harvard University.

NON-GRADUATE

- 1909 Ralph Emerson Myers, University Scholar, Yale University.

VOLUME 4

MAY, 1910

NUMBER 1



— THE —

WESLEYAN UNIVERSITY BULLETIN

MIDDLETOWN, CONNECTICUT



BULLETIN 46 (OLD SERIES)

PUBLISHED BY THE UNIVERSITY FOUR TIMES A YEAR
IN JANUARY, MAY, JUNE, AND DECEMBER

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MIDDLETOWN, CONN.:

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1910

CALENDAR

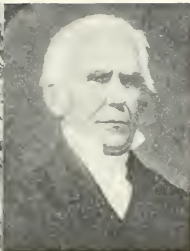
June 10	Friday	9:00 A. M.	Final examinations will begin.
June 20	Monday	9:00 A. M.	Examinations of College Entrance Examination Board will begin.
June 25	Saturday	3:00 P. M.	Baseball game, Alumni vs. Varsity.
June 25	Saturday	5:00 P. M.	Preliminary meeting, Phi Beta Kappa.
June 25	Saturday	8:15 P. M.	Concert by the Musical Clubs.
June 26	Sunday	10:30 A. M.	Baccalaureate Sermon, by President William Arnold Shanklin, LL. D.
June 26	Sunday	7:30 P. M.	University Sermon, by Bishop William Franklin Anderson, D. D., LL. D.
June 27	Monday	9:00 A. M.	Annual Meeting, Phi Beta Kappa.
June 27	Monday	11:00 A. M.	Final Chapel Exercises. Award of prizes and of preliminary honors.
June 27	Monday	2:00 P. M.	Class Day Exercises.
June 27	Monday	4:00-7:00 P. M.	President's Reception.
June 27	Monday	6:00-9:00 P. M.	Class Reunions.
June 27	Monday	8:00 P. M.	Meeting, Board of Trustees.
June 27	Monday	9:00-11:00 P. M.	Illumination of the Campus; Open Air Concert; Singing by Undergraduates and Alumni.
June 28	Tuesday	9:00 A. M.	Meeting, Board of Trustees.
June 28	Tuesday	9:30 A. M.	Meeting of the Alumnæ.
June 28	Tuesday	10:00 A. M.	Meeting, Alumni Association.
June 28	Tuesday	12:00 M.	Meeting, Alumni Athletic Association.
June 28	Tuesday	12:30 P. M.	University Luncheon.
June 28	Tuesday	3:30 P. M.	Baseball Game, Amherst vs. Wesleyan.
June 28	Tuesday	5:00-7:00 P. M.	Fraternity Receptions.
June 29	Wednesday	10:30 A. M.	COMMENCEMENT. Contest for the Rich Prize. Conferring of Degrees.
Sept. 21	Wednesday	9:00 A. M.	Examination of candidates for admission will begin.
Sept. 22	Thursday	9:00 A. M.	College year will begin.



WILLBUR FISK
1792-1839
First President



SOUTH COLLEGE
Erected 1824-5
Oldest Building
Administration Offices



LABAN CLARK
1778-1868
First President
Board of Trustees

CHARTERED
MAY 21, 1831

WESLEYAN UNIVERSITY

OPENED
SEPT. 21, 1831

AS NOTED in the December *Bulletin*, the present administration is definitely pledged to raise a million dollars at the earliest moment possible. By the time of the installation of President Shanklin somewhat more than eighty thousand dollars had been subscribed. Since that time the General Education Board administering the Rockefeller Fund has promised \$100,000, conditional upon the raising of the entire million. At present the total amount subscribed, including that from the Rockefeller Fund, is considerably more than two hundred thousand dollars.

In the *Bulletin* of last December, attention was directed to the need of a new chemical laboratory, of a building to serve as a college union, and of a new library building. The importance of securing as early as possible the laboratory and the college union is as great as ever, but in the case of the library the situation is urgent. The present library building was erected more than forty years ago, according to plans then generally adopted for the housing of large libraries. In the course of

the past quarter of a century, however, the conception of what is needed in a library building has been greatly modified. The emphasis at present is upon convenience and adaptability to working needs rather than upon display.

Many defects in plan can be pointed out in the present building, but the most serious is that it is too small to contain the books now in the collection, to say nothing of the annual increase. At present the books in several alcoves have to be arranged in double rows upon the shelves. There is, moreover, no adequate general reading-room, and there is entire lack of work-rooms for students. The capacity of the building has been roughly estimated at ninety thousand volumes, but the limit of convenient use will be reached before that number is on the shelves. Library experts, indeed, maintain that a library building should not be filled beyond seventy-five per cent. of its theoretical capacity. The number of books to be accommodated in the Wesleyan library is not far from eighty-five thousand, or more than ninety-four per cent. of the capacity.

The situation, then, at which we arrive is this: in less than two years the normal increase of the library, averaging three thousand volumes annually, will fill the present building to overflowing. And even were the funds provided for a new building, and the plans drawn, the most speedy construction could hardly prevent a year or two of overcrowding and confusion. This state of things calls for no comment.

Public announcement has more than once been made in the course of the past year that the aim of the present administration is to secure a body of students numbering about five hundred men. The freshman class that entered last September contained nearly one fourth of that number, but the total enrollment for this year falls short of the desired five hundred by one hundred and sixty men. There are indications that the freshman class next year may also be very large, but to secure this result there must be unrelenting work not only by the faculty and the active student body, but by alumni scattered here and there throughout the country.

A very hopeful sign for the future of the College is the activity of the various Wesleyan alumni associations throughout the present year. The number of meetings held this year is larger than ever before; and the enthusiasm shown in the large attendance and in the discussion of the problems of the College gives new evidence of the hearty and united spirit of the Wesleyan alumni.

It need hardly be said that the increase of students, as well as the increase of the endowment, will be largely dependent upon the attitude of our alumni. Five years of active coöperation can hardly fail to make the new and larger Wesleyan a realized achievement, with an equipment in faculty, in buildings, and endowment, adequate for all the work that any American college can legitimately attempt to do.

Attention is called to the modification of the admission requirements in Latin as stated in a later page of this *Bulletin*. The requirements in their revised form are those agreed upon by the Commission on Uniform Entrance Requirements in Latin, and are the outcome of various movements extending over a series of years.

Among recent improvements none is more welcome to students and faculty alike than the installation of electric bells to indicate the time for beginning and ending college exercises. For the first time since the erection of Fisk Hall and Scott Laboratory it is now possible to secure uniform promptness in attendance upon college work.

At the opening of the present college year a Sunday vesper service was instituted, attendance at which was required of the student body. It is gratifying to report that the success of the plan has far surpassed expectations. From various parts of the country distinguished speakers representing different denominations have been secured, and have delivered addresses designed to meet the special needs of college men. A list of the speakers appears on a subsequent page of this *Bulletin*.

The news of the death of Bishop Cyrus David Foss on January 29 brought to many a graduate of Wesleyan a sense of deep personal loss.

To the classes that were in college between 1875 and 1880, the years in which he was at the head of the University, his memory remains as an inspiration. Assuming as he did the burden of administration at a time of peculiar difficulty, he devoted himself with unsparing zeal and marked success to the upbuilding of the resources of the institution. But of even more value, in the opinion of many, were the standards of character and of sound learning that he upheld in his frequent addresses and in conferences with students. More than one Wesleyan graduate who has won eminence owes more than he can estimate to the personal influence of President Foss—the orator, the scholar, and the ideal Christian.

The death of Reverend Charles Henry Buck, D. D., '64, and of George Slocum Bennett, '64, deprives Wesleyan of the service of two loyal supporters. Dr. Buck was for a term of years treasurer of the University after the resignation of Mr. Andrus, and ably administered the finances as long as his health permitted. Mr. Bennett was for a score of years a trustee of the University and one of her most liberal benefactors. Seldom was he absent from a meeting of the board, where his keen business instinct and progressive spirit made him a peculiarly useful member.

Until a few weeks ago the museum of Wesleyan University was under the efficient and intelligent care of Samuel Ward Loper, for nearly a score of years the curator. His recent death has called forth many well-deserved tributes to his scientific knowledge, to his skill in collecting and preparing specimens, and to his manly and lovable character.

On March 15 Mr. Harlow Raymond, janitor of Wesleyan University, retired from the position he has so efficiently filled for more than forty-five years. In recognition of his services the board of trustees at the April meeting voted him a life pension of \$500. He is to make his future home at East Longmeadow, Massachusetts, where the best wishes of the entire college community follow him.

It is of interest to state that at its last meeting, May 5, the executive committee of the trustees of the Carnegie Foundation for the Advancement of Teaching placed Wesleyan University on the list of institutions receiving the benefit of the Foundation.

CYRUS DAVID FOSS

At the regular meeting of the faculty, February 1, 1910, the following resolutions were adopted:

In the death of Bishop Foss the Church and the world have lost a great and good man—a man whose clearness of intellect and force of personality made him a power for righteousness. While the earth is poorer, the cloud of witnesses, whose unseen presence inspires men to noble living, is richer.

It is natural and fitting that, in the tribute to his memory which we place upon our records, special mention should be made of those parts of his long, honored, and useful life which were related to Wesleyan University.

As a student he gained distinction by the brilliancy of his scholarship, receiving, at his graduation in 1854, the highest honors of his class. It was during his student days in Wesleyan University that his life was ennobled by Christian consecration and enriched by the undying joy of Christian faith. During his student days he acquired an intense love and loyalty for the college, which inspired him for his service as president from 1875 to 1880, and as trustee for the remainder of his life.

He came to the presidency of Wesleyan University at a crisis in its history. Financial disaster had practically blotted out its endowment. In the five years of his administration a new endowment was created, and the college placed on a stronger foundation than it ever had before. Doubt and discouragement among the friends of the college changed to hope and courage.

Those who were associated with Bishop Foss in the faculty of Wesleyan cherish fondly the memory of the intimacy and freedom of his personal relations with them. The life of the faculty, much less numerous then than now, was almost like that of a family. To the older men President Foss was a brother beloved. To the younger men he seemed like a father.

The deepest impression which he left upon the memory, alike of his colleagues and his students, was that of his intense moral earnestness and the profound sincerity of his Christian faith. The men with whom he was associated in daily life were no more real personalities to him than his God and his Saviour. His life was free from sanctimoniousness and ascetic gloom. No burden of care and responsibility could dim the cheerfulness of his spirit. He enjoyed the pleasure and the fun of life, and his presence made brighter and more joyous the life of all who knew him. But no one could be in his presence without feeling the impression

of that intense moral earnestness, which ennobled every word and deed. His character was an inspiration to the whole college.

Our hearty sympathy is with the bereaved family and friends. Yet, even amid the grief of bereavement, they have the unfading treasure of the memory of a noble life, and the comfort of that faith which was so intensely real to him, and which his words of tenderness and power kindled so often in the hearts of others.

SAMUEL WARD LOPER

The following minute was adopted at the meeting of the faculty, April 20, 1910.

In the death of Samuel Ward Loper, curator of the museum since 1894, Wesleyan University has lost a faithful and loyal officer, and the members of the faculty have been bereft of a cherished friend. The irrepressible love of learning which made him a life-long student of science, though denied the privilege of advanced training in the schools in his youth, and which led him eagerly to embrace the opportunity of instruction in Wesleyan University when that opportunity came to him in middle age; the enterprise, the skill, and tact, which made him a most successful collector, whether in the employ of the University or of the United States Geological Survey; the unsparing enthusiasm with which he devoted himself to the interests of the museum, increasing its treasures by his faithful expeditions, and making those treasures available for instruction by his patient care and resourceful planning in their arrangement and display; his genial friendliness to all with whom he was associated, and his unselfish interest in all work for the advancement of the kingdom of truth and righteousness, commanded our respect and love.

We place this testimonial upon our records, and we send a copy thereof, in heartfelt sympathy, to his family.

FOOTBALL REFORM

As a result of the number of deaths and serious injuries in football in the season of 1905, Chancellor McCracken of New York University invited the presidents and delegates of a number of American colleges to meet in New York to consider the situation. It was decided to organize an intercollegiate athletic association. In the discussion as to football, two views were presented—to abolish the game or to reform it. The conservative counsel finally prevailed, and a football committee of seven was selected, with instructions to amalgamate, if possible, with the existing football rules committee of seven. This amalgamation was effected and the joint committee since that date has made the rules for

the game, the Intercollegiate Athletic Association appointing each year seven members. As a result of the revision of the rules the game was, in the judgment of most persons, much improved, and the dangers in connection with it were diminished. The ingenuity of coaches, however, soon succeeded in circumventing the rules in various details, and during the season of 1909 a greater number of injuries and deaths resulted than had been the case in the previous history of the game. Public opinion was aroused, and college faculties all over the country passed resolutions demanding further reform. A conference of eight New England college presidents was held in Cambridge, December 20, 1909. President Shanklin reported the results of the conference to the Wesleyan faculty, who passed the following resolution December 21:

"Resolved, that the faculty of Wesleyan University concur in the action of the presidents of New England colleges in demanding a radical reform of the rules of football, in such wise as to diminish greatly the risk of serious or fatal injury, and in asserting that no action of the rules committee can be accepted as final, but such action must be subject to the judgment of the faculties of the colleges.

"Resolved, also, that our representative to the Intercollegiate Athletic Association be instructed to make known our views on the matter and to use his best efforts to secure such action as will tend to accomplish the desired end."

At the fourth annual convention of the Intercollegiate Athletic Association held in New York, December 28, 1909, Professor Nicolson, the secretary of the association, read a large number of communications from colleges, associations, and individuals, calling for a radical change in football rules. The association passed the following resolution:

"That the football rules committee of this association be instructed to use every possible endeavor to bring about such a modification of the rules as shall, in their judgment, tend to reduce to a minimum the dangers of physical injury to the players and at the same time retain, so far as may be feasible, the most desirable and wholesome features of the game."

Thirty-seven colleges voted in favor of this resolution, four against it. The representative of Wesleyan voted with the minority, deeming the resolution inadequate, in view of his instructions from the faculty as above stated.

The joint committee on rules has had four sessions, of two or three days each, during the spring of 1910, and the revised rules are known to the public. Whether or not they will eliminate the fatal accidents recently associated with the game of football can only be determined by experiment next season.

NEW ENTRANCE REQUIREMENTS IN LATIN

I. AMOUNT AND RANGE OF THE READING REQUIRED

1. The Latin reading required of candidates for admission to college, without regard to the prescription of particular authors and works, shall be not less in amount than Caesar, Gallic War, I-IV; Cicero, the orations against Catiline, for the Manilian Law, and for Archias; Vergil, Aeneid, I-VI.

2. The amount of reading specified above shall be selected by the schools from the following authors and works: Caesar (Gallic War and Civil War) and Nepos (Lives); Cicero (orations, letters, and De Senectute) and Sallust (Catiline and Jugurthine War); Vergil (Bucolics, Georgics, and Aeneid) and Ovid (Metamorphoses, Fasti, and Tristia).

II. SUBJECTS AND SCOPE OF THE EXAMINATIONS

1. *Translation at Sight.* Candidates will be examined in translation at sight of both prose and verse. The vocabulary, constructions, and range of ideas of the passages set will be suited to the preparation secured by the reading indicated above.

2. *Prescribed Reading.* Candidates will be examined also upon the following prescribed reading: Cicero, orations for the Manilian Law and for Archias, and Vergil, Aeneid, I, II, and either IV or VI at the option of the candidate, with questions on subject-matter, literary and historical allusions, and prosody. Every paper in which passages from the prescribed reading are set for translation will contain also one or more passages for translation at sight; and candidates must deal satisfactorily with both these parts of the paper, or they will not be given credit for either part.

3. *Grammar and Composition.* The examinations in grammar and composition will demand thorough knowledge of all regular inflections, all common irregular forms, and the ordinary syntax and vocabulary of the prose authors read in school, with ability to use this knowledge in writing simple Latin prose. The words, constructions, and range of ideas called for in the examinations in composition will be such as are common in the reading of the year, or years, covered by the particular examination.

NOTE. The examinations in grammar and composition may be either in separate papers or combined with other parts of the Latin examination, at the option of each individual institution; and nothing in any of the above definitions of the requirements shall be taken to prevent any college from asking questions on the grammar, prosody, or subject-matter of any of the passages set for translation, if it so desires.

SUGGESTIONS CONCERNING PREPARATION

Exercises in translation at sight should begin in school with the first lessons in which Latin sentences of any length occur, and should continue throughout the course with sufficient frequency to insure correct methods of work on the part of the student. From the outset particular attention should be given to developing the ability to take in the meaning of each word—and so, gradually, of the whole sentence—just as it stands; the sentence should be read and understood in the order of the original, with full appreciation of the force of each word as it comes, so far as this can be known or inferred from that which has preceded and from the form and the position of the word itself. The habit of reading in this way should be encouraged and cultivated as the best preparation for all the translating that the student has to do. No translation, however, should be a mechanical metaphrase. Nor should it be a mere loose paraphrase. The full meaning of the passage to be translated, gathered in the way described above, should finally be expressed in clear and natural English.

A written examination cannot test the ear or tongue, but proper instruction in any language will necessarily include the training of both. The school work in Latin, therefore, should include much reading aloud, writing from dictation, and translation from the teacher's reading. Learning suitable passages by heart is also very useful, and should be more practised.

The work in composition should give the student a better understanding of the Latin he is reading at the time, if it is prose, and greater facility in reading. It is desirable, however, that there should be systematic and regular work in composition during the time in which poetry is read as well; for this work the prose authors already studied should be used as models.

TRUSTEE MEETINGS

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on Wednesday, October 27, 1909, with President H. C. M. Ingraham in the chair.

Voted to confer the following honorary degrees at the installation of President Shanklin. (These are given on pp. 20-21 of the *Bulletin* for December, 1909.)

Reverend Bradford P. Raymond, D. D., LL. D., was made Professor Emeritus of Biblical Literature and Ethics.

Harlow Raymond, for forty-five years superintendent of grounds and buildings, tendered his resignation to take effect any time before April

1. 1910. President Shanklin, W. U. Pearne, and W. H. Burrows were appointed a committee to formulate proper resolutions relating to Mr. Raymond's faithful services.

The following appointments were made, in each case for one year:

H. B. Learned, to be Lecturer in History.

C. S. Beardslee, to be Lecturer in Ethics.

Voted to make the following charges to students: in I Chemistry, \$2 a year; in General Biology, \$1 a year; in Botany, \$1 a year.

The local executive committee were authorized, in their discretion, to purchase certain property near the college lands. President Shanklin was placed in full charge of the settlement of the Gould will.

Voted to request the President and a committee of the faculty to consider the scholarship of candidates for free tuition in and after the freshman year.

An adjourned meeting of the board of trustees was held at 150 Fifth Avenue, New York City, on April 22, 1910. President Shanklin presented an informal report referring to the death of three trustees—Bishop C. D. Foss, Mr. G. S. Bennett, and Reverend C. H. Buck—and to the illness of another, Mr. C. B. Rogers; to the vesper services and religious life of the college, and the improvement in the scholarly tone of the undergraduates, and improvements in discipline; to his visits to alumni associations; and to his intention to enter upon an endowment campaign next autumn. He reported also the provisional gift of \$100,000 from the General Education Board, and that other sums amounting at the present time to \$105,000 have been promised. The secretary was requested to send a message of sympathy to Mr. Rogers.

The resignation of H. H. Benedict from the board of trustees was received and accepted. The following were elected trustees to fill unexpired terms: W. T. Rich, of Boston, Mass., in place of C. D. Foss; Judge A. E. Sutherland, '85, in place of H. H. Benedict; R. N. Bennett, '97, in place of his father, G. S. Bennett; John C. Clark, '86, in place of C. H. Buck.

The secretary was requested to write Reverend J. E. Adams, D. D., acknowledging the receipt of a gift of \$1,000 sent to the University through him, and thanking him for his interest in the University.

Voted to adopt the recommendation of the academic council that the teaching force be increased by an additional instructor in Mathematics. Professor Fife was granted leave of absence for the second half of the academic year 1910-11.

The local executive committee were given power to have an appropriate designation carved on Fisk Hall.

The following regulation was adopted concerning the Wesleyan University Hospital Bed Fund: That the treasurer of the college hold the principal of the fund and turn over to the assistant treasurer the entire income, which shall be deposited by him in one of the savings banks in Middletown; that the assistant treasurer be authorized to pay out such income upon the requisition of a committee composed of the President of the college, the assistant treasurer, and the chairman of the Wesleyan Hospital Fund Committee (which secured the money for the fund). The above committee of three is to have full power to apply the income for the benefit of sick students of the college.

Professor Rice reported for the committee appointed to codify the by-laws. The report was presented in printed form.

The following appointments to the faculty were made for the year 1910-11:

- L. A. Howland, Ph. D., Associate Professor of Mathematics.
- B. H. Camp, M. A., Associate Professor of Mathematics.
- J. W. Wetzel, Ph. B., Instructor in Public Speaking.
- J. W. Turrentine, Ph. D., Instructor in Chemistry.
- R. R. Renshaw, Ph. D., Instructor in Chemistry.
- L. B. Gillet, B. A., Instructor in English.
- D. D. Whitney, Ph. D., Instructor in Biology.
- P. H. Curts, Ph. D., Instructor in German.
- C. E. Graves, B. A., Instructor in Romance Languages.
- E. F. Amy, B. A., Assistant in English Literature.

RECENT GIFTS

Since the publication of the December *Bulletin* additional payments of \$508.05 have been received for the undergraduate building fund for North College; and further payments to the alumni endowment fund have been made, amounting to \$1,671.84.

Securities and cash amounting to \$50,000 have been received from Judge George G. Reynolds, '41, of Brooklyn, New York. This is the first payment toward the new endowment fund which President Shanklin is raising, and is given by Judge Reynolds in fulfilment of a pledge announced last Commencement. As a further contribution to this new endowment fund, Hon. Watson C. Squire, '59, of Seattle, Washington, has given a note for \$5,000.

The principal of the Wesleyan Hospital Fund, amounting to \$5,232.42, has been placed in the hands of the treasurer of the University. The conditions under which this fund is to be administered are stated elsewhere in this *Bulletin*.

The Wesleyan University Alumni Athletic Association has paid \$630 on account of the salary of the director of the gymnasium. Hon. S. H. Olin, '66, has given \$20 for the museum. Mr. A. R. Crittenden has given \$50, Mr. E. K. Hubbard, \$100, and Professor W. N. Rice, \$250, to pay for the ethnological collection of the late S. Ward Loper. The acquisition of this collection was noted in the *Bulletin* for December, 1904. For tuition, \$25 has been received from D. G. Downey, '84. R. C. Parker, '93, has given \$12.50 for the Atwater Library. Charles Scott, '86, has given \$200 to the department of physics for the purchase of electrical instruments.

Reverend J. E. Adams, from certain funds bequeathed him in trust, has decided to give Wesleyan University \$1,000 to establish a scholarship in memory of Reverend James Montgomery. The will of the late Reverend Charles H. Buck, '64, which is now being probated, contains a bequest of \$5,000 for the University.

Only gifts of money are reported under this caption. Other important gifts are acknowledged in the article on the Library.

SUBSCRIPTIONS TO THE NEW ENDOWMENT.—In addition to the gifts of money recorded above, the General Education Board has promised \$100,000 toward the new endowment which President Shanklin is raising. The sum of \$25,000 has been pledged to the same object by a donor who requests that, for the present, his name be withheld.

LIBRARY

Since the report published in the *Bulletin* for May, 1909, the endowment of the library has been increased by a gift of \$20.00 and by the transfer from income of \$618.05. The total endowment is \$88,543.39.

The number of volumes added from May 1, 1909, to April 30, 1910, was 2,601. They were obtained as follows: by purchase, 1,027; by binding periodicals, 319; by exchange, 5; by gift, 1,250; deducting 6 volumes exchanged or lost, there remains a net addition of 2,595 volumes. The total number of volumes in the library at the present time is 84,000.

Among the more important accessions of the year are the following: *Pedagogical Seminary*, vols. 1-15; *Deutsche Litteraturdenkmale des 18. und 19. Jahrhunderts*, vols. 1-141; *Johns Hopkins University studies in historical and political science*, extra volumes; *Academy* (Syracuse), vols. 1-7; *Zeitschrift für physikalische Chemie*, vols. 52-67; *Philological Society* (London), *Proceedings*, *Transactions* and extra volumes; *Neue*

Jahrbücher für das klassische Altertum, Geschichte und deutsche Litteratur und für Pädagogik, vols. 1-22; Transactions of the American Electrochemical Society, vols. 1-16; Collezione di monografie illustrate, serie Ia. Italia Artistica, 54 vols.; Cyclopedia of Commerce, Accountancy, Business Administration, 10 vols.; Documentary History of American Industrial Society, 10 vols. (in course of publication); George Meredith, memorial edition of works, 27 vols. (in course of publication); a collection of indexes to individual Greek authors, 15 vols.; *The Printing Art*, vols. 1-12; Pennsylvania Archives, second series (lacking 5 vols.), third series complete, fifth series, vols. 1-8.

From May 1, 1909, to April 30, 1910, 6,242 books and periodicals were drawn from the library for home use. In addition, 812 volumes were withdrawn from general circulation and reserved for special use either in the library or in the seminary rooms. The current numbers of 80 periodicals were sent to the seminary rooms or laboratories for the use of instructors and advanced students.

There were presented to the library from May 1, 1909, to April 30, 1910, 1,107 bound volumes, 4,077 pamphlets and numbers of periodicals, and 8 maps. Among the donors were the United States Government, the Library of Congress, the Smithsonian Institution, the State Libraries of Connecticut, Maine, and New York, the Carnegie Institution, the Connecticut State Board of Education, the Field Museum of Natural History, the Pennsylvania Steel Co., the Geological Survey of Canada, the American Peace Society, Lake Forest University, Berkeley Divinity School Library, Funk and Wagnalls Co., and the following individuals: Professor A. C. Armstrong, W. R. Barbour, '09, Hon. F. B. Brandegee, A. C. Bruner, '79, G. S. Coleman, '76, Reverend J. C. W. Coxe, '63, Professor G. M. Dutcher, Professor W. C. Fisher, J. C. Graham, '90, Archer M. Huntington, Professor Oscar Kuhus, '85, M. A. Munson, J. F. Phayre, S. E. Quimby, '59, Professor B. P. Raymond, G. L. Raymond, H. B. Raymond, '04, Harlow Raymond, Hon. R. F. Raymond, ex-'81, B. A. Rich, '78, F. F. Robinson, '10, F. A. Shailer, '09, Hon. N. D. Sperry, Miss M. M. Van Benschoten, '04, W. S. Wallace, '04.

During the year Miss Nettie L. Whitney gave \$10, which has been spent in the purchase of a reference book. Mr. J. C. Graham's gift of \$50, announced a year ago, has been used in buying the memorial edition of George Meredith's works.

The increase in the size of the card catalogue has made necessary the purchase of an additional catalogue case. The author cards of the standard size from A through Ste, are now arranged separately in the new cases. It will be necessary during the coming year to carry this double arrangement through the alphabet.

The printed cards supplied by the Library of Congress have been used in the recataloguing so far as they were available. In addition the large author cards for A and half of B have been replaced by written cards of standard size.

A very thorough revision of the catalogue is being carried on. Authors having the same name are being carefully distinguished and small errors are being detected and corrected.

By an arrangement with the Library of Congress the Wesleyan Library has undertaken to catalogue certain of its new books which are not likely to be purchased by the Library of Congress. The Library of Congress will print cards from the copy furnished by the Wesleyan Library and will sell these cards as it does its own cards. Similar work is also being done by certain other large libraries, which, like the Wesleyan Library, have complete sets of the cards printed by the Library of Congress.

The unbound numbers of periodicals have been sorted and alphabetically arranged. The unbound pamphlets have also been arranged roughly according to subject.

In July, 1909, an electric vacuum cleaner was purchased and installed in the library. During the summer and early autumn all the books and shelves on the first two floors of the library building were thoroughly cleaned and considerable progress was made on the third floor. The noise made by the motor disturbs readers and the vacuum cleaner can be used to advantage only at times when the library is practically deserted.

THE MUSEUM

The museum has sustained an irreparable loss in the death of Samuel Ward Loper, who has been in charge of the collections since 1893. As curator of the museum he showed unique and extraordinary adaptation for the position, in that he was able to do every kind of work which is required in a museum. He was a prince of collectors; and his collecting trips to Western Maryland, to Chattanooga, Tennessee, to Valcour Island, to Fossil, Wyoming, and Florissant, Colorado, to Herkimer County, New York, and to Nova Scotia, yielded rich treasures for the geological department of the museum. In recent years he also gave a good deal of attention to the localities of minerals and fossils in the vicinity of Middletown, greatly enriching the exhibit of local geology and mineralogy in the museum. He had a remarkable power of interesting other people in the museum, so as to secure gifts of specimens and money and coöperation in other ways. He knew how to use the literature necessary for the identification and classification of the specimens

that he collected. He understood the art of effective display of specimens. He printed the labels in the museum on a little printing press of his own. If he wanted for any special exhibit a case of some peculiar pattern or arrangement, he knew how to build it himself. He added greatly to the usefulness of the museum as a means of popular instruction by his genial attention to visitors. It was his delight, on days when the museum was open to the public, to show its treasures to young or old, rich or poor. It was his earnest desire that a special museum library might be established, and his own scientific books he gave to the college that they might form a nucleus of such a library. In the history of the museum his name is second only to that of George Brown Goode, who may fairly be called the founder of the museum.

The museum has secured a considerable number of specimens of the rare mineral, uraninite, from Portland, Connecticut. Among them are more than a score of pretty good crystals and a much larger number of fragments.

A beautiful plaster model of *Ichthyosaurus*, showing the impression of the dorsal and caudal fins, has been obtained from F. Krantz in Bonn. The discovery in recent years of a number of specimens of *Ichthyosaurus*, showing impressions of the large caudal fin, has shown the traditional restoration of the animal to be exceedingly erroneous, and has confirmed the belief which the paleontologist, Richard Owen, put on record more than half a century ago, that the creature possessed a large caudal fin. The cast which has been purchased for the museum was made from one of the finest and most perfect specimens that have been discovered.

DEPARTMENT NOTES

LATIN.—Attention is called to the new entrance requirements in Latin, published in full elsewhere in this *Bulletin*. As Wesleyan was a leader in the agitation for the unification of entrance requirements in Latin, the prompt adoption of such requirements after they were formulated by the Commission and favorably received by the American Philological Association was to have been expected. By their adoption several decided advantages will undoubtedly be gained. Schools will not be harassed by the attempt to meet several different sets of requirements each year. The increased emphasis upon sight reading must result in a better mastery of the language for practical purposes. The more intensive study of smaller portions of certain authors will develop greater accuracy of thought and attention. The permission of a wider range of

choice in reading will lead to greater interest in the selections read. Everything points to the early adoption of these requirements by practically all colleges of standard grade. The new requirements will go into effect in 1911.

GREEK.—Professor Heidel is absent on leave during the second half year. Courses II and IV consequently were discontinued at the close of the first semester, while Courses XI and XIV were transferred from the second to the first semester. I Greek is being continued throughout the year.

HISTORY.—Dr. Learned conducted Courses I, II, and V during the first semester, owing to the illness of Professor Dutcher, who resumed full charge of the work at the beginning of the second semester. Course VI, the seminary, which is regularly given during the first two-thirds of the year, was deferred to the last two-thirds of the year, so as to be entirely under the charge of Professor Dutcher.

The subject for the seminary course next year will be the first administration of President Grant. This period has been studied this year with special reference to foreign affairs; next year attention will be given mainly to the internal affairs.

ENGLISH LITERATURE.—In his seminary class next year, Professor Winchester will give Course VI, the Literature of the Period of Queen Anne; in the junior year, Course II, Six Plays of Shakespeare.

Hereafter no formal essays or orations will be required of seniors; but an elective will be offered to seniors on the various forms of public address. This course will be under the direction of Professor Winchester and Mr. Wetzel, and will count as one hour a week.

The elective in debate will be discontinued, but especial attention will be given to debates in the classes of Mr. Wetzel.

ENGLISH LANGUAGE.—Mr. Gillet will next year conduct the required course in freshman rhetoric.

The course in sophomore essays will be in charge of Professor Mead.

In the junior year formal essays will no longer be required, but an elective course in English composition, open to juniors and seniors and counting as two hours a week, will be offered. This course will be conducted by Professor Mead.

PHILOSOPHY.—Professor Dodge will return in the summer from his year's leave of absence, and will resume his regular work with the new academic year. Courses II, III, V, and VI, omitted in 1909-10, will be given next year. Course VII, given in 1909-10, will be omitted in 1910-11.

BIOLOGY.—A new course in Embryology has been given to the students of V Biology. The course is given by Dr. Whitney and occupies all the spring term. To illustrate this course Dr. Whitney has made a series of preparations of the life histories of animals, which will be stored in a special case in the biological laboratory, convenient for use and study.

PHYSICS.—A photographic dark-room has been built in one corner of Room 15 on the first floor of the Scott Laboratory, for the purpose, especially, of developing the photographic records obtained with the electric oscillograph.

Besides the Gaede mercury pump referred to in the December *Bulletin*, apparatus to the value of about \$450 has been purchased during the year for the department. Of this, some of the more important pieces are the following: a spherometer; a Foucault's pendulum; two specially cut Iceland spar prisms; a large direct-vision spectroscope; a mercury vapor lamp; a standard tuning fork; a standard thermometer; two Weston voltmeters and two Weston ammeters; a variable capacity for electrical oscillations; a Braun electrometer; and a pair of head telephone receivers.

MATHEMATICS.—An instructor will be added to the teaching force of the department of mathematics next year. It will then be possible to increase the number of advanced courses given in the department, and also to divide the freshman class into smaller sections. It is the present plan to have a total of ten sections in Courses I, II, and III. This work will be shared by the three instructors. Courses IV and VI will probably be given by the new instructor.

GEOLOGY.—The class in Physical Geography is meeting during the second half-year. The instructor is Gilbert Haven Cady, B. A. (Northwestern University), Assistant in Geology, Yale University.

YOUNG MEN'S CHRISTIAN ASSOCIATION

The weekly meeting of the association is held every Thursday at 7:00 P. M. The policy at present is to select as leaders noted Y. M. C. A. speakers from other sections, members of the faculty, and students from the upper classes, in equal proportion. The attendance is gradually increasing. A delegation of six men attended the Student Volunteer Convention, held in Rochester, New York, from December 29, 1909, to January 2, 1910, and it is expected that a goodly number will attend the Northfield convention next June. A valuable opportunity for Christian activity is afforded by the various committees of the Association. Besides general Y. M. C. A. administration, these undertake neighborhood work at three places in the immediate vicinity, as well as Bible and mission study.

DEBATE

In the past year the Wesleyan debating teams have not had the success which has characterized the work of previous years. In the Triangular League contests with Amherst and Williams, held on December 18, 1909, Wesleyan was defeated in both debates, Williams winning first place in the league, and Amherst second. The question was, "*Resolved*, That a compulsory system of workingmen's insurance for accident, sickness, old age, and death, should be established throughout the United States." In each case the home team upheld the affirmative side of the question. The Wesleyan team which debated against Williams at Middletown consisted of Roberts, '10, and Vanderbilt, '10, with Montgomery, '11, alternate; and the negative team which debated at Amherst consisted of Judd, '11, and Brengle, '10, with H. D. Jones, '11, alternate.

In the spring, instead of having only one debate as in previous years, two teams were selected, and debates were held with Bowdoin and New York University. Both debates were held on April 8, the question being, "*Resolved*, That the United States government should establish a central bank similar to the Imperial Bank of Germany." The affirmative team, consisting of Stuntz, '10, Vanderbilt, '10, and Brengle, '10, lost at Bowdoin, the decision being two to one against them; the negative team, consisting of Panunzio, '11, Judd, '11, and Wriston, '11, with H. D. Jones, '11, alternate, were awarded a unanimous decision against New York University at Middletown. Negotiations with Bowdoin are under way for a renewal of the two-year agreement, which expired this year, and a debate will probably be held with New York University next year also, provided a triangular league can be formed, consisting of Bowdoin, New York University, and Wesleyan.

In the interclass debate for the Scott cup the freshman (1913) team defeated the sophomores. A debate was held on May 21 between the freshman team, consisting of Hancock and Rice, with Murphy, alternate, and a team representing the freshmen of Brown University. The Wesleyan team upheld the negative of the following question: "*Resolved*, That government by commission, similar to the Galveston plan, should be adopted by cities of over fifty thousand inhabitants in the United States." The decision was unanimous for the negative.

The Briggs Prize Debate was held in Memorial Chapel on March 3, on the same question which was used in the New York University and Bowdoin debates. The contestants were Williams, '12, Vanderbilt, '10, Panunzio, '11, and Wriston, '11. The judges, Honorable W. U. Pearne, Mr. W. K. Bacon, and Reverend E. R. Hyde, unanimously awarded the prize to Vanderbilt.

NEW ENGLAND ORATORICAL LEAGUE

The first intercollegiate contest of the newly formed oratorical league was held at Amherst on May 5, 1910. The league is composed of Amherst, Bowdoin, Brown, Wesleyan, and Williams, each of which was represented by one speaker. The judges, Professors John Spencer Bassett of Smith, Charles Ernest Fay of Tufts, Sidney N. Morse of Williston Academy, Henry Lawrence Southwick of the Emerson School of Oratory, and Irvah Lester Winter of Harvard, rendered a decision awarding first medal to George Swift Brengle of Wesleyan, '10, who spoke on "The Mission of Theodore Roosevelt." James Z. Colton of Amherst, '12, was second with an oration on "Child Labor in the United States."

UNIVERSITY NOTES

STATE BACTERIOLOGICAL LABORATORY.—The work of this laboratory is constantly increasing, and during the last year has been four times as large as in the first year of its existence. During the last three months it has put into operation an organized plan for the examination of the milk supply in the various towns of the state. Acting in connection with the health officers of the various towns, the laboratory is now receiving large numbers of milk samples from numerous dealers scattered about the state. The purpose of the work is to improve the grade of milk supplied in the different towns. This work has been carried on to a limited extent for three years, and has resulted in an improvement in the milk wherever it has started. The success of the plan has led the State Board of Health to authorize its extension so as to cover the whole state as rapidly as possible. The amount of work to be done is very large and has already taxed the laboratory to its limits.

Ozone purification of water.—At the request of the State Board of Health this laboratory has undertaken the testing of the ozone method of water purification. Through the kindness of C. D. Meeker, Wesleyan, '02, apparatus designed for water purification by ozone, and made by the Gerard Ozone Process Co., has been placed at the disposal of the laboratory and erected in Judd Hall. Experiments with this machine have been carried out for about three months. The result of the tests has been to demonstrate the efficiency of ozone in purifying water.

JUNIOR EXHIBITION.—The annual Junior Exhibition was held in Memorial Chapel on the evening of Thursday, April 14. The committee of award consisted of Mr. William Alonzo Wheatley, B. A., M. A., Superintendent of Middletown Schools, Mr. Gustaf Birger Carlson, B. A., of Middletown, and Professor Joseph William Hewitt, Ph. D. To Constantine Marius Panunzio, of Molfetta, Italy, was awarded the

first prize, for an oration on "Is the Italian an Undesirable Citizen?" The second prize was divided between Mr. Frank Chaplain Brodhead, of Philadelphia, Pennsylvania, who discussed "Republicanism in Philadelphia," and Mr. William Randolph Montgomery, of Stamford, Connecticut, whose topic was "The Awakening of the American People."

DOCTOR LEARNED.—The University was extremely fortunate in finding a gentleman of scholarly attainments and wide experience such as Doctor Henry Barrett Learned, of New Haven, to fill the temporary vacancy in the department of history caused by the illness of Professor Dutcher during the first semester. Doctor Learned generously consented to put aside for the time his chosen lines of research and writing, and devoted himself fully to a service which because of its temporary character could scarcely have been other than difficult and uncongenial. Doctor Learned will be gratefully and pleasantly remembered by the friends he made in his brief service on the faculty of Wesleyan University.

MIDYEAR EXAMINATIONS.—Owing to the fact that the college year will henceforth begin one week earlier than before, a change in the time of the midyear examinations is rendered necessary. At the same time the previous disparity of one week between the first and second half-years has been removed. The midyear period will consequently begin two weeks earlier than heretofore.

PRESS CLUB.—In January there was established a Press Club, to which all correspondents of newspapers and all members of the *Argus* board are eligible. The club meets on the first and third Mondays of each month and is sometimes addressed by newspaper men from outside the college. On such occasions the entire college body is invited to attend. The officers are: Wriston, '11, president; Vanderbilt, '10, vice-president; Proskey, '11, secretary-treasurer.

VISITORS' EVENING AT THE GYMNASIUM.—The gymnasium exhibition was held on March 15, 1910, under the direction of Mr. Reiter. The program was made up of gymnastic performances on various pieces of apparatus, of fancy steps, free hand work, competitive drills by squads from the two lower classes, and the final game in the class basketball series. This was played between the seniors (1910) and the freshmen (1913) and was won by the latter. The class drill was awarded to the sophomores (1912). The individual cup for excellence in gymnastics and the college cup for the best gymnast were awarded to Soule, '11. Fletcher, '12, and Dexter, '13, received second and third prize cups respectively.

BELL SIGNALS.—A system of automatic bell signals has recently been installed and put into operation. A program clock located in the college office controls electric bells in Fisk Hall, Judd Hall, Observatory Hall, and the Scott Laboratory, the signals being given at the beginning and end of each period. The expansion of the college beyond the limits of the campus has made the need of such a system keenly felt for a number of years.

SUPERINTENDENT OF GROUNDS AND BUILDINGS.—In March Mr. Charles W. Shaw, of Strong, Maine, was appointed Superintendent of Grounds and Buildings in place of Mr. Harlow Raymond, retired.

FACULTY NOTES

PRESIDENT SHANKLIN.—President Shanklin has had an extremely busy winter. He has attended and addressed the annual meetings of nearly all the Wesleyan alumni associations that have held their banquets since his installation, and has also met smaller local groups of alumni at many places, both in the east and in the west. In the course of the year he has personally met nearly half the living alumni of Wesleyan. He has been much gratified and encouraged by the enthusiastic welcome with which he has been greeted in all these gatherings of Wesleyan men. In addition to this he has visited most of the patronizing conferences, and attended the annual meeting of the Association of College Presidents and Principals of Secondary Schools of the Methodist Episcopal Church, where he responded to the speech of welcome made by President Welch of Ohio Wesleyan. In April President Shanklin received a cordial welcome from the New York East Conference, of which he became a member at its session in Middletown. He was a delegate to the Men's National Missionary Congress held in Chicago, May 4-5, and attended the convention of the Methodist Brotherhood, held at Indianapolis, May 8-9. He was elected a vice-president of the Brotherhood.

PROFESSOR RICE.—Professor Rice attended the meeting of the University Senate of the Methodist Episcopal Church, in Baltimore, Maryland, December 15-16, 1909; and the meeting of the Association of Methodist College Presidents, in Delaware, Ohio, January 20-21, 1910. At the latter meeting he presented a paper on the College Course, which is published in the *Christian Student* for February.

PROFESSOR MEAD.—At the annual meeting of the American Dialect Society on December 29, 1909, held at Cornell University, Professor

Mead was reelected secretary of the society and *ex-officio* editor of *Dialect Notes*.

CIVIC ACTIVITIES.—At the biennial city election on January 18 Professor Fisher was for the second time elected mayor of Middletown by a majority of ninety-six votes. His previous term extended from 1906 to 1908.

At the annual meeting in February Professor Harrington was for the third time elected president of the Twentieth Century Club of Middletown, established "to promote a finer public spirit and a better social order."

PROFESSOR NICOLSON.—Professor Nicolson represented the University at the fourth annual convention of the Intercollegiate Athletic Association of the United States in New York City, December 28, 1909, and was reelected secretary-treasurer. He attended a meeting of the Committee of Review of the College Entrance Examination Board in New York on February 26, and another on April 15; also a meeting of the Examination Board in New York on April 16. He represented the college at the annual meeting of the New England College Entrance Certificate Board in Boston on May 15, and was elected president of the Board; and attended the third annual meeting of the Association of New England Colleges for Conference on Athletics, where he was reelected president. He attended the fourth annual meeting of the Association of College Administrative Officers in New England, held at Williamstown, Massachusetts, May 17 and 18, and was elected president.

PROFESSOR HEIDEL.—Professor Heidel and his family sailed for Naples on February 19. From that place he proceeded to Greece, and, making Athens his headquarters, he has visited and studied the chief points of archaeological interest, including Delphi, Olympia, Pylos, Corinth, Epidaurus, Tiryns, and Mycenae. On April 22 he sailed for Sicily, and about May 1 for Naples. Thence he will travel through the Continent, visiting a number of noted scholars in France, Germany, and England.

PROFESSOR DODGE.—Professor Dodge is on leave of absence for the year. After a period of study in Paris he went to Göttingen to engage in research work in the laboratory of Professor Max Verworn, a foremost authority on nervous fatigue. About the middle of March he left Göttingen for a trip through Southern France. In mid-April he expected to attend the Congress of Experimental Psychologists, held at Innsbruck, Austria.

MEETINGS ATTENDED.—The annual meeting of the American Philological Association and of the Archæological Institute of America, held at Baltimore, Maryland, December 28–31, 1909, was attended by Professor Harrington, who is a councillor of the Institute, and by Professor Hewitt. Each presented a paper. Professor Heidel also sent a paper which was read by one of his colleagues. Professors Harrington and Hewitt also attended the meeting of the Classical Association of New England, held at Hartford, April 1–2, 1910. Professor Harrington acted as secretary at a conference of representatives of the Latin departments of New England Colleges, held at Harvard University, April 8, 1910, to consider the report of the Commission on Uniform Entrance Requirements in Latin for College.

Professor Kuhns, Dr. Curts, and Mr. Graves attended the meeting of the Modern Language Association of America held in Ithaca, New York, December 28–30, 1909. Professor Fife was present at the annual meeting of the New England Modern Language Association, held at Boston on May 8, 1909, where as chairman of the standing committee on College Entrance Requirements, he presented the committee's report, which has since been published by the Association in the Proceedings of the Sixth Annual Meeting, and in reprints. Professor Fife and Mr. Graves attended a meeting of the Connecticut Group of the New England Modern Language Association at Hartford, November 6, 1909. A meeting of the Connecticut group of the same association held at New Haven, March 12, 1910, was attended by Professors Kuhns and Fife, by Doctor Curts, who presented a paper, and by Mr. Graves.

Professors Fisher and Dutcher and Doctor Learned attended the meetings of the American Historical Association, the American Economic Association, and the American Political Science Association in New York, December 27–31, 1909. Professor Dutcher attended the meeting of the New England Historical Teachers Association in Boston, April 16, 1910.

Professor Armstrong attended the meeting of the American Philosophical Association, held in New Haven, December 27–29, 1909.

Professors Howland and Camp were present at the meeting of the American Mathematical Society, held in Boston, December 27–31, 1909. Professor Howland has been elected a member of the board of editors of the *Annals of Mathematics*.

The meeting of the American Association for the Advancement of Science, held in Boston, December 27–31, 1909, was attended by Professors Van Vleck, Rice, Crawford, Conn, Bradley, and Cady, and

Doctors Turrentine and Renshaw. Professor Bradley was elected to the Council of the Association to represent the affiliated body, the American Chemical Society.

On May 9 Professors Winchester and Dutcher represented the University at the New England Arbitration and Peace Congress in Hartford.

UNIVERSITY SERMONS, LECTURES, AND ADDRESSES

SERMONS, BACCALAUREATE SUNDAY, FIRST METHODIST EPISCOPAL CHURCH:

June 27, 1909.—Acting-President Rice: "Blessed are the pure in heart: for they shall see God."—Matthew 5, 8.

Reverend Wilbur Fisk Tillet, D. D.: "Now while Paul waited for them at Athens his spirit was stirred in him, when he saw the city wholly given to idolatry."—Acts 17, 16.

PREACHERS AT VESPER SERVICES, MEMORIAL CHAPEL:

1909

- October 3. President Shanklin.
- October 10. Reverend William Ingraham Haven, D. D., '77, of New York, N. Y.
- October 17. Reverend Francis Bourne Upham, D. D., '85, of Brooklyn, N. Y.
- October 24. Reverend Watson Lyman Phillips, '72, of New Haven, Conn.
- October 31. Reverend Joseph Twichell, of Hartford, Conn.
- November 7. Reverend Fred Winslow Adams, D. D., of Schenectady, N. Y.
- November 14. Reverend John Wesley Hill, D. D., of New York, N. Y.
- November 21. Bishop William Burt, D. D., LL. D., '79, of Zurich, Switzerland.
- November 28. Professor Clark Smith Beardslee, D. D., of Hartford, Conn.
- December 5. President Shanklin.
- December 12. Professor Arthur Lincoln Gilletti, D. D., of Hartford, Conn.
- December 19. Professor Rice.

1910

- January 9. Reverend John Franklin Goucher, D. D., of Baltimore, Md.

1910

- January 16. Reverend Lyman Harold Hough, of Brooklyn, N. Y.
 January 23. Reverend Charles Otis Judkins, '95, of Glens Falls, N. Y.
 January 30. Bishop William Franklin Anderson, D. D., LL. D., of Chattanooga, Tenn.
 February 6. Irving Bacheller, of Sound Beach, Conn.
 February 13. Reverend William Young Chapman, D. D., of Newark, N. J.
 February 27. Professor George William Knox, D. D., LL. D., of New York, N. Y.
 March 6. Reverend Anson Phelps Stokes, Jr., of New Haven, Conn.
 March 13. Reverend Alpha Gilruth Kynett, D. D., '78, of Philadelphia, Pa.
 March 20. Reverend Lucius H. Bugbee, of Brookline, Mass.
 April 10. Bishop William A. Quayle, D. D., LL. D., of Oklahoma City, Oklahoma.
 April 17. Reverend Wallace MacMullen, D. D., of New York, N. Y.
 April 24. Reverend Andrew Gillies, of Minneapolis, Minn.
 May 1. Reverend J. F. Satchell, D. D., of Columbia, Pa.
 May 8. Reverend Rollin O. Everhart, of Troy, N. Y.
 May 15. Reverend Fayette L. Thompson, D. D., of St. Louis, Mo.
 May 22. Reverend Charles Wesley McCormick, D. D., Ph. D., of Brooklyn, N. Y.
 May 29. Bishop Luther Barton Wilson, LL. D., of Philadelphia, Pa.

TOASTS, COMMENCEMENT LUNCHEON, FAYERWEATHER GYMNASIUM:

June 30, 1909.—Reverend Charles Otis Judkins, '95, *Toastmaster*.

Acting President Rice: Alma Mater.

Reverend George David Downey, D. D., '84: The Trustees.

Senator Frederick Morgan Davenport, Ph. D., '89: Practical Ideals in Politics.

Arthur Frederick Goodrich, '99: Coming Back.

President-elect Shanklin: Some Facts Concerning and an Ideal for Wesleyan.

SERMONS, ADDRESSES, ETC.:

January 27, 1910.—Sermon on the Day of Prayer for Colleges. Reverend Frederick Watson Hannan, '90: "I can do all things through Christ which strengtheneth me."—Philippians 4, 13.

January 22, 1910.—Lecture Recital by Mr. John Wesley Wetzel: James Whitcomb Riley; with a reading by the members of the class in public speaking in interpretation of Shakespeare (Julius Caesar).

February 28, 1910.—Memorial Service for Bishop Cyrus David Foss, held in First Methodist Episcopal Church. Address by Professor Rice.

April 18, 1910.—Memorial service for Samuel Ward Loper; held in Scott Hall. Address by Professor Rice.

May 18-20, 1910.—Three lectures on Missions by Reverend John Franklin Goucher, D. D., LL. D.:

May 18, The Impossible.

May 19, The Improbable.

May 20, The Inevitable.

TOASTS, WASHINGTON'S BIRTHDAY BANQUET, FAVERWEATHER GYMNASIUM:

February 22, 1910.—Fred Elmer Tasker, '84, *Toastmaster*.

President Shanklin: Wesleyan University.

Governor Frank Bentley Weeks: The State.

Professor Fife: The Faculty.

Seward Vincent Coffin, '89: Athletics.

Herbert Bronson Shonk, '03: The Metropolis.

Arthur Benjamin Haley, '07: The Boston Alumni.

George Imlay Bodine, Jr., '06: The Philadelphia Alumni.

Odell Seymour Smith, '87: The Washington Alumni.

Arthur T. Vanderbilt, '10: The Undergraduates.

LECTURES BEFORE THE DEPARTMENT OF PHILOSOPHY, FISK HALL:

October 26, 1909.—Professor Alexander Meiklejohn, Dean of Brown University: The Definition of Truth.

January 25, 1910.—Professor Roswell Park Angier, Yale University: The Psychology of Dreams.

March 17, 1910.—Addison Brown Poland, Ph. D., Superintendent of Schools, Newark, N. J.: Some Pressing Problems in Public School Education.

LECTURES BEFORE THE DEPARTMENT OF CHEMISTRY:

December 14, 1909.—Mr. James Andrew Newlands, Connecticut State Chemical Laboratory: Water Purification and Sewage Disposal.

April 9, 1910.—Doctor Alfred Hoffman, Columbia University: The Manufacture of Natural and Artificial Perfumes.

May 2, 1910.—Mr. James Andrew Newlands: The Chemical and Bacteriological Examination of Potable Waters, and the Interpretation of Results.

May 28, 1910.—Professor Charles Baskerville: Radium and Radioactivity.

LECTURE BEFORE THE DEPARTMENT OF HISTORY, FISK HALL:

May 5, 1910. Contested Congressional Elections. President Charles Henry Rammelkamp of Illinois College, Illinois.

LECTURES BEFORE THE DEUTSCHER VEREIN, EAST HALL:

(*President*, Richard Homer Schmidt, '10; *Secretary*, George Cress Mahle, '11.)

November 6, 1909.—Reverend Ernst Hingkeldei, St. Paul's Lutheran Church, Middletown: Deutsche Dialekte.

November 20, 1909.—Professor Hollon Augustine Farr, Yale University: Deutsches Studentenleben.

December 4, 1909.—Professor Otto Manthey-Zorn, Amherst College: Kaiser Wilhelm II.

February 5, 1910.—Dr. Karl Siebert, Yale University (exchange instructor): Berlin und die Berliner (illustrated), Scott Hall.

March 5, 1910.—Professor Gustav Gruener, Yale University: Das Yiddische Drama, Fisk Hall.

April 16, 1910.—Reverend Lothar Brunke, Waterbury, Connecticut: Deutsche Volkslieder.

May 7, 1910.—Dr. Paul Holroyd Curts, Eine Fussreise im Tirol.

May 21, 1910.—Professor Joannes Benoni Eduard Jonas, Brown University, Im alten Deutschland.

LECTURE BEFORE THE CLASSICAL CLUB, FISK HALL:

(*President*, Robert Parsons Bridge, '10; *Secretary*, Edgar Walters Wallis, '10.)

April 19, 1910.—Professor Charles Brewster Randolph, Clark College: The Origin of our Alphabet and the Development of Book Print.

LECTURES BEFORE THE SOCIÉTÉ FRANÇAISE, FISK HALL:

(*President*, Robert Parsons Bridge, '10; *Secretary*, Franklin Robbins, '12.)

January 15, 1910.—Professor Kuhns: Londres, La Hollande et le Rhin (illustrated).

January 24, 1910.—Mr. Graves: Les Combats de Taureaux en Espagne.

February 26, 1910.—Professor Kuhns: Paris et les Parisiens (illustrated).

April 30, 1910.—Professor Kuhns: La Suisse (illustrated).

LECTURE BEFORE THE BACTERIOLOGICAL JOURNAL CLUB, JUDD HALL:

December 21, 1910.—Harold Joel Conn, '08: New Bacteriological Methods.

LECTURES BEFORE THE MIDDLETOWN SCIENTIFIC ASSOCIATION, SCOTT LABORATORY:

(President, Professor Cady; Secretary, Dr. Renshaw.)

June 8, 1909.—Mr. Edward Howe Forbush, State Ornithologist of Massachusetts: The Utility of Birds and the Means of Protecting Them.

October 12, 1909.—Professor Walter Bradford Cannon, Harvard Medical School: Digestive Processes and the Influence of Emotions upon Them.

November 9, 1909.—Mr. Samuel Ward Loper: The Origin of Museums and their Development as Great Educational Institutions.

December 14, 1909.—Professor Lafayette Benedict Mendel, Yale University: The Growth and Beauty of Children.

January 11, 1910.—Professor Edward Lee Thorndike, Columbia University: Experimental Studies of Animal Intelligence.

February 8, 1910.—Dr. David Day Whitney: The Determination and Heredity of Sex.

March 8, 1910.—Professor William Suddards Franklin, Lehigh University: The Practical Applications of the Gyrostat.

April 12, 1910.—Professor Burton Howard Camp: Comets.

May 10, 1910.—Dr. Turrentine: The Fixation of Atmospheric Nitrogen.

PAPERS AND TALKS BEFORE THE APOSTLES' CLUB:

(President, Professor Hewitt; Secretary, Mr. Graves.)

June 4, 1909.—Professor James: Wesleyan University, Founding and Early History.

October 8, 1909.—Professor Harrington: Sample Latin Lyrics by Sixteenth Century Germans.

November 19, 1909.—Professor Mead: An Italian Hill Town.

December 10, 1909.—Professor Kuhns: Sunt Lacrimae Rerum.

January 14, 1910.—Professors Dutcher, Fisher, Armstrong, Harrington, Kuhns, Nicolson: Reports from holiday meetings of learned societies.

February 18, 1909.—Professor Nicolson: The College Waste-heap.

March 11, 1910.—Professor Fife: Some Heine Problems.

April 12, 1910.—Professor Armstrong: The Psychology of the Emotions.

May 27, 1910.—Professor Dutcher: The Teaching of History and Economics in the Small College.

LECTURES BEFORE THE PRESS CLUB, FISK HALL:

February 30, 1910.—Edward Manwaring Allender, editor of the *Middletown Sun*: The Relation of the College Man to the Newspapers.

March 11, 1910.—Stetson Kilborn Ryan, '04: The Making of a Daily Paper.

April 4, 1910.—Ralph Welles Keeler, '04: College News in the Outside World.

FACULTY LECTURES AND PUBLICATIONS

PRESIDENT SHANKLIN.—The Teacher's Sources of Power. Connecticut Association of Classical and High School Teachers, Hartford, February 26, 1910.

PROFESSOR RICE.—*Lectures*.—Ethical and Religious Lessons of Science. Union Preachers' Meeting, Hartford, Connecticut, February 28, 1910; Hartford Theological Seminary, Hartford, May 6, 1910.

The Colorado Cañon. Board of Education course, Middletown High School, March 4, 1910; Mount Hermon School, Mount Hermon, Massachusetts, March 19, 1910.

Publications.—The One Saving Name. Modern Sermons by World Scholars, v. 8, pp. 75-94; Funk & Wagnalls Co., 1909.

The College Course. *Christian Student*, v. 11, p. 22-31, February, 1910.

Why I believe in the Resurrection of Jesus Christ. *Zion's Herald*, v. 88, p. 364, March 23, 1910.

PROFESSOR WINCHESTER.—*Lectures*.—Five lectures, Wells College, Aurora, New York. Single lectures before the Church Club of Connecticut in Waterbury; before the State Teachers' Association of Vermont, in the University of Vermont, Burlington; before the Quill Club of New York City, and in various schools.

Publication.—A Group of English Essayists of the Early Nineteenth Century. Pp. 250. New York, The Macmillan Company, 1909.

PROFESSOR CONN.—*Lectures*.—Our Friend the Microbe, Jersey City, New Jersey, December 30, 1909; Philadelphia, Pennsylvania, January 18, 1910; Hackettstown, New Jersey, January 28, 1910.

The Control of the Milk Supply of Connecticut, annual meeting of the Health Officers of Connecticut, New Haven, February 9, 1910.

Agricultural Bacteriology, Agronomy Society, Cornell University, Ithaca, New York, February 11, 1910.

The Public Milk Problem, Meadville, Pennsylvania, February 12, 1910; Pratt Institute, Brooklyn, New York, April 12, 1910.

The Laboratory and Public Welfare, Quill Club, New York, New York, March 15, 1910.

Methods of Water Purification, Hartford Medical Society, Hartford, Connecticut, March 21, 1910.

The White Blood Corpuscle and its Functions, Brooklyn Institute, Brooklyn, New York, April 12, 1910.

Addresses at Genesee Wesleyan Seminary, Lima, New York; Cazenovia Seminary, Cazenovia, New York; Troy Conference Academy, Poultney, Vermont; Wyoming Seminary, Kingston, Pennsylvania; the high schools of Schenectady and Albany, New York, and of Scranton and Wilkesbarre, Pennsylvania.

Publication.—Advanced Physiology and Hygiene (with R. A. Budington). Pp. 418, New York, Silver, Burdett, & Company, 1909.

Collaborateur, *Revue Générale du Lait*, since 1901.

PROFESSOR ARMSTRONG.—*Lecture*.—The Psychology of the Emotions. Middlesex Congregational Association, Deep River, Connecticut, December 14, 1909.

Publications.—The Sixth International Congress of Psychology. *Philosophical Review*, v. 18, pp. 690-4, November, 1909.

The Evolution of Pragmatism. *Bericht über den III Internationalen Kongress für Philosophie*, 1909, pp. 720-6.

Review of Eucken's Problem of Human Life. *Philosophical Review*, v. 19, pp. 215-6, March, 1910.

Review of Jones's John Balguy and Lewis's Fundamental Principles involved in Edward Caird's Philosophy of Religion. *Philosophical Review*, v. 19, p. 351, May, 1910.

PROFESSOR BRADLEY.—*Lectures*.—Liquid Air. Middletown High School; Tilton Seminary, Tilton, New Hampshire; The New York Chemistry Teachers' Club, New York, New York; also at Bristol and Woodbury, Connecticut.

The United States Life Saving Service. Meriden and Madison, Connecticut, and Rutland, Vermont.

Publications.—The Nozzle Expansion of Air at High Pressure (with C. F. Hale). *Physical Review*, v. 29, pp. 258-292, September, 1909.

Die Expansion von hochgespannter Luft in Düsen. *Zeitschrift für comprimirt und flüssige Gase*, v. 12, pp. 147-158, 171-8, 184-8. (A translation in full of the foregoing paper). October, November, December, 1909.

John the Baptist as Forerunner. *Biblical World*, v. 35, May, 1910, pp. 327-338 (to be concluded in the June number).

PROFESSOR HARRINGTON.—*Lectures*.—A Roman Country Gentleman of the First Century. Bordentown Military Institute, Bordentown, New Jersey, October 15, 1909.

The Classical Element in Sixteenth Century Latin Lyrics. American Philological Association, Baltimore, Maryland, December 28, 1909.

Sunday Recreation. The Men's Sunday Civic Class, New Britain, Connecticut, February 27, 1910.

Progress in Local Affairs, Annual Report of the President of the Twentieth Century Club, at Middletown, February 14, 1910.

Publication.—Catullus 66, 77-78. *Berliner Philologische Wochenschrift*, v. 30, sp. 285-286.

PROFESSOR NICOLSON.—*Lecture*.—College Failures: the Responsibility of the School and the Home. Brown University Teachers' Association, Providence, Rhode Island, April 22, 1910.

PROFESSOR KUHN.—*Lectures*.—John Huss. Norwich Ministerial Association, Stafford Springs, Connecticut, February 25, 1910.

Illustrated lecture on Switzerland. North Congregational Church, Middletown, February 25, and Woodbury, Connecticut, March 28, 1910.

Italy and the Italians. Young Men's Christian Association, Middletown, December 19, 1909.

Publications.—The Mennonites of Pennsylvania. *Christian Advocate*, October 14, 1909, pp. 1625-6.

Notes on the Kuntz (Kuhns) and Brown families of Lancaster County, Pennsylvania. *Pennsylvania German*, v. 10, pp. 278-282, June, 1909.

Visions of the Christ. *Methodist Review*, v. 92, pp. 65-76, January-February, 1910.

Review of Faust's German Element in the United States. *Methodist Review*, v. 92, pp. 343-344, March-April, 1910.

Review of Faust's German Element in the United States. *American Historical Review*, v. 15, pp. 615-617, April, 1910.

PROFESSOR HEIDEL.—*Lecture*.—The ἄναρροι ὄγχοι of Heraclides and Asclepiades, American Philological Association, Baltimore, Maryland, December 28, 1909 (by proxy).

Publications.—Charity that begins at home. *American Journal of Philology*, v. 30, pp. 196-8, April-June, 1909.

Περὶ Φύσεως, a study of the conception of nature among the pre-Socratics, *Proceedings of the American Academy of Arts and Sciences*, v. 45, No. 4, pp. 79-133, January, 1910.

Review of Diès, La Définition de l'être et de la nature des idées dans le Sophiste de Platon, *Journal of Philosophy, Psychology, and Scientific Methods*, v. 7, pp. 105-6, 1909.

Review of Diels, Herakleitos von Ephesos griechisch und deutsch, *Classical Philology*, v. 5, pp. 244-7, April, 1910.

PROFESSOR CADY.—*Lecture*.—Commercial Electricity, Board of Education course, Middletown High School, January 28, 1910.

Publications.—On the Electric Arc between Metallic Electrodes. Second paper (with G. W. Vinal), *American Journal of Science*, v. 28, pp. 89-102, August, 1909. Third paper, *id.* pp. 239-250, September, 1909.

Ueber den Elektrischen Lichtbogen zwischen Metallelektroden. Zweite Mitteilung (with G. W. Vinal), *Physikalische Zeitschrift*, v. 10, pp. 569-576, September 1, 1909. Dritte Mitteilung, *id.* pp. 623-630, September 15, 1909.

Demonstrations of Electrical Oscillations. *Science*, v. 30, pp. 854-855, December 10, 1909.

Review of Müller-Pouillet's Lehrbuch der Physik, v. 4, Part 1, *Terrestrial Magnetism and Atmospheric Electricity*, v. 15, pp. 42-43, March, 1910.

PROFESSOR FIFE.—*Lectures*.—What is a Practical Education? Address before the Alumni of Middletown High School, Middletown, June 8, 1909.

Industrial Education in Germany. State Superintendents' Association of Connecticut, Meriden, December 3, 1909.

Lectures at Williamsport, Pennsylvania; Tome School for Boys, Port Deposit, Maryland; Pennington, New Jersey; North Congregational Church, Middletown.

PROFESSOR DUTCHER.—*Publications*.—Review of Thibaudeau's Bonaparte and the Consulate, translated and edited by G. K. Fortescue. *American Historical Review*, v. 14, pp. 173-4, October, 1908.

Review of the Marquiset's Une Merveilleuse (Mme. Hamelin), 1776-1851. *American Historical Review*, v. 15, pp. 180-1, October, 1909.

Review of Turquan's Love Affairs of Napoleon, and of Fleischmann's Napoléon Adultère. *American Historical Review*, v. 15, pp. 602-6, April, 1910.

Review of Fleischmann's Dessous de Princesses et Maréchaux d'Empire. *American Historical Review*, v. 15, pp. 652-3, April, 1910.

PROFESSOR HEWITT.—*Lectures*.—The Restrictions on Access to Greek Temples, American Philological Association, Baltimore, Maryland, December 30, 1909.

English and Scotch Ballads, Wesleyan Academy, Wilbraham, Massachusetts, and Montpelier Seminary, Montpelier, Vermont.

Publication.—Review of Flagg's Plato: The Apology and Crito. *Classical Philology*, v. 4, pp. 344, June, 1909.

MR. WETZEL.—*Publication*.—The Relation of the Public School Teacher to Reading and Speaking. *New Haven Teachers' Journal*, June, 1909.

DR. TURRENTINE.—*Lectures*.—A New Form of Laboratory Apparatus (by proxy). Seventh International Congress of Applied Chemistry, London, England, May 27-June 2, 1909.

A Modified Oxy-hydrogen Gas Coulometer, American Electrochemical Society, Niagara Falls, New York, May 6-8, 1909. Published in *Transactions of the American Electrochemical Society*, v. 15, p. 515.

A Graphite Cathode Dish, American Electrochemical Society, Niagara Falls, New York, May 6-8, 1909. Published in *Transactions of the American Electrochemical Society*, v. 15, p. 505; *Journal of Physical Chemistry*, v. 13, p. 438, June, 1909. *Chemical News* (London), v. 100, p. 43.

Rapid Electroanalysis with Graphite Cathode Dish. American Chemical Society, Detroit, Michigan, June 29-July 2, 1909.

The Oxalates of Hydrazine. American Chemical Society, Section C, American Association for the Advancement of Science, Boston, Massachusetts, December 27-31, 1909.

A Rotating Graphite Anode, American Electrochemical Society, Pittsburg, Pennsylvania, May 4-7, 1910.

Publications.—The Meaning of Current Density. *Journal of Physical Chemistry*, v. 14, p. 152, February, 1910.

The Length of a Technical Paper (communication). *Journal of Industrial and Engineering Chemistry*, v. 2, p. 157, April, 1910.

On the Oxalates of Hydrazine, *Journal of the American Chemical Society*, v. 32, pp. 577-88, May, 1910.

DR. RENSHAW.—*Lectures.*—Synthesis of α , β -Diglycerides. American Chemical Society, Detroit, Michigan, July 1, 1909.

Choline. American Chemical Society, Detroit, Michigan, July 1, 1909.

Bactericidal Properties of Lecithins (with K. N. Atkins), American Chemical Society, Detroit, Michigan, July 1, 1909.

Denatured Alcohol. Connecticut Agricultural College, Storrs, February 15, 1910.

Publications. Preparation of Choline and Some of its Salts. *Journal of the American Chemical Society*, v. 32, pp. 128-30, January, 1910.

Bactericidal Properties of Lecithins (with K. N. Atkins), *Journal of the American Chemical Society*, v. 32, pp. 130-32, January, 1910.

Studies in the Action of Heat on Milk (with F. C. Ware), *Journal of the American Chemical Society*, v. 32, pp. 391-96, March, 1910.

DR. WHITNEY.—*Lecture.*—The Determination and Production of Sex in the Rotifer, *Hydatina senta*. The Biological Laboratory of the Brooklyn Institute of Arts and Sciences, Brooklyn, New York, July 29, 1909.

DR. CURTS.—*Lecture.*—Friedrich Hebbel—His Life and his Dramatic Poetry. Connecticut Group of the New England Modern Language Association, New Haven, March 12, 1910.

Publication.—Luther's Variations in Sentence Arrangement from the Modern Literary Usage, pp. xi, 63, New Haven, 1910.

OBITUARY RECORD

The following deaths among the alumni have been reported since the publication of the last Obituary Record:

CLASS

1839 Mead Holmes, b. December 11, 1819, New York, N. Y.; d. June 17, 1906, Rockford, Ill.

1839 Hiram Willey, b. May 23, 1818, East Haddam, Conn.; d. March 8, 1910, Hadlyme, Conn.

CLASS

- 1842 Richard Ingraham, b. July 8, 1823, Amenia, N. Y.; d. May 16, 1910, Hempstead, N. Y.
- 1847 Benjamin Van Kirk, b. July 4, 1827, Pennington, N. J.; d. December 17, 1909, Philadelphia, Pa.
- 1848 William George Hawkins, b. October 22, 1823, Baltimore, Md.; d. July 18, 1909, Denver, Col.
- 1849 William White Runyan, b. March 13, 1828, Seneca, N. Y.; d. May 23, 1909, Marion, Kans.
- 1850 Jabez Brooks, b. September 18, 1823, Stockport, England; d. January 26, 1910, San José, Cal.
- 1852 Simeon Fish Chester, b. June 1, 1824, Brooklyn, Ohio; d. September 1, 1909, Springfield, Mass.
- 1853 Moses Emory Wright, b. May 23, 1828, Leicester, Vt.; d. December 13, 1909, Gloucester, Mass.
- 1854 Cyrus David Foss, b. January 17, 1834, Kingston, N. Y.; d. January 29, 1910, Philadelphia, Pa.
- 1854 Charles Wesley Gulick, b. September 20, 1832, Hector, N. Y.; d. February 23, 1910, Brooklyn, N. Y.
- 1854 Erasmus Darwin Leavitt, b. March 19, 1833, Croyden, N. H.; d. November 29, 1909, Butte, Mont.
- 1854 Riley Treadway Taylor, b. June 29, 1826, Plainfield, N. Y.; d. November 1, 1909, Baltimore, Md.
- 1856 John Jay Harrison, b. November 18, 1834, Lebanon Springs, N. Y.; d. April 16, 1910, Sag Harbor, N. Y.
- 1857 George Fisk Comfort, b. September 20, 1833, Berkshire, N. Y.; d. May 5, 1910, Montclair, N. J.
- 1857 Algernon Knox Johnston, b. April 19, 1837, Blandford, Mass.; d. October 3, 1909, New Brighton, N. Y.
- 1860 John Brown Lapham, b. June 7, 1832, Gloucester, R. I.; d. March 13, 1910, Old Orchard, Me.
- 1861 Daniel Warren Raymond, b. March 16, 1833, Litchfield, N. Y.; d. March 14, 1910, Hartford, Conn.
- 1862 Samuel Stephen Ethridge, b. March 1, 1838, Sandwich, N. H.; d. June 7, 1909, Des Moines, Iowa.
- 1862 Enos Young Landis, b. September 8, 1837, Coopersburg, Pa.; d. December 17, 1907, Philadelphia, Pa.
- 1863 Isaac Edward Smith, b. March, 1837, Sheffield, Vt.; d. April 13, 1910, Mt. Vernon, N. Y.
- 1864 George Slocum Bennett, b. August 17, 1842, Wilkes-Barre, Pa.; d. January 2, 1910, Wilkes-Barre, Pa.
- 1864 Charles Henry Buck, b. January 10, 1841, Easton, Mass.; d. January 12, 1910, Youkers, N. Y.

CLASS

- 1865 Daniel Hayden Taylor, b. September 28, 1838, Vassalboro, Me.;
d. January 16, 1910, Ontario, Cal.
- 1870 Marcus Patten Hatfield, b. February 20, 1849, New York, N. Y.;
d. November 11, 1909, Chicago, Ill.
- 1870 Joseph B. Thomas, Jr., b. January 20, 1849, Philadelphia, Pa.; d.
August 4, 1909, New York, N. Y.
- 1874 Thomas Bond Lindsay, b. April 28, 1853, New York, N. Y.; d.
July 22, 1909, Glen View, Ky.
- 1875 George Melvin Warren, b. April 15, 1849, Deer Island, Me.; d.
July 24, 1909, Castine, Me.
- 1876 John William Whitney, b. April 30, 1850, Macomb, N. Y.; d. June
21, 1908, Homer, N. Y.
- 1882 Charles Reynolds, b. July 10, 1849, Winslow, Me.; d. April 5,
1910, Middletown, Conn.
- 1886 George Copeland Boswell, b. February 1, 1864, Jersey City, N. J.;
d. March 10, 1910, near Glenmoore, N. J.
- 1887 Russell Hubert Croxford, b. May 17, 1858, Lincoln Centre, Me.;
d. August 5, 1908, Brewer, Me.
- 1890 John Andrew Bergström, b. October 28, 1867, Blidsberg, Sweden;
d. February 28, 1910, Palo Alto, Cal.
- 1895 Frances Louise Weeks, b. March 13, 1871, Middlefield, Conn.; d.
March 4, 1910, New Haven, Conn.
- 1899 Charles Hopkins Spencer, b. May 18, 1877, Chicago, Ill.; d. Jan-
uary 31, 1910, Roswell, N. M.

Non-Graduates

- 1845 William Augustus Carpenter, b. February 23, 1820, Rehoboth,
Mass.; d. April, 1906.
- 1845 Marvin Richardson Warner, b. October 17, 1823, Middletown,
Conn.; d. October 18, 1904, Cromwell, Conn.
- 1846 Henry Eugene Smith, b. 1823, Brockport, N. Y.; d. 1907.
- 1848 Alexander Meggett, b. March 26, 1824, Glasgow, Scotland; d.
March 9, 1907, Eau Claire, Wis.
- 1849 Wicks Smith Titus, b. June 20, 1820, Victory, N. Y.; d. January
22, 1910, Williamsville, N. Y.
- 1849 William Henry Wells, b. 1817, Huntington, Conn.; d. August 15,
1909, Sacramento, Cal.
- 1850 John Everett Johnson, b. August 8, 1828, Troy, N. Y.; d. February
2, 1910, Syracuse, N. Y.
- 1850 William Samuel Strudwick, b. May 6, 1830; d. July 9, 1907.

CLASS

- 1852 Hiram Almeron Morgan, b. May 9, 1826, Holyoke, Mass.; d. February 5, 1910, Middletown, Conn.
- 1855 David Josiah Brewer, b. June 20, 1837, Smyrna, Asia Minor; d. March 28, 1910, Washington, D. C.
- 1859 Melville Cox Smith, b. August 14, 1835, Waymart, Pa.; d. April 25, 1907, Los Angeles, Cal.
- 1862 Isaac Boys, b. April, 1840, Metamora, Ill.; d. March 15, 1906, Metamora, Ill.
- 1864 James Henry Eastman, b. May 31, 1842, Hanover, N. H.; d. August 22, 1907, Howard, R. I.
- 1868 Orange Walter Scott, b. October 15, 1842, Newbury, Vt.; d. December 6, 1909, Fitchburg, Mass.
- 1868 Elias Augustus Tuttle, b. July 18, 1843, Yates, N. Y.; d. June 19, 1907, New York, N. Y.
- 1869 Robert Newton Fearon, b. March 14, 1839, Pratt's Hollow, N. Y.; d. January 18, 1910, Ironton, Ohio.
- 1870 Lewis Reno, b. June 25, 1847, South Carrollton, Ky.; d. April 24, 1906, Louisville, Ky.
- 1874 George Newell Kellogg, date of birth unknown; d. September 20, 1909, Morrisville, Vt.
- 1888 Horace Kelley Vernon, b. 1863; d. March 4, 1909, Dundee, Ill.
- 1890 Herbert Linwood Campbell, b. 1869; d. 1909, Reading, Mass.

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